JVC

# SERVICE MANUAL

## REAR PROJECTION TELEVISION

# AV-48P575/HP,
# AV-56P575/HP,
# AV-56P585/HP

| BASIC CHASSIS |
| --- |
| RP |

**Supplementary**

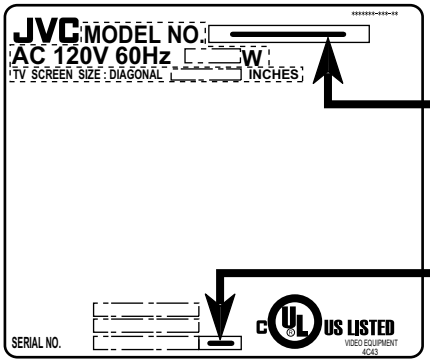
**The following items for the AV-48P575/HP, AV-56P575/HP and AV-56P585/HP were changed partly from AV-48P575/H, AV-56P575/H and AV-56P585/H.**
**Therefore, this service manual describes only the items which differ from those of the AV-48P575/H, AV-56P575/H and AV-56P585/H service manual.**
**For details other than those described in this manual, please refer to the AV-48P575/H, AV-56P575/H and AV-56P585/H service manual (No.YA091, 2004/4).**

# OUTLINE

**Since the production place of PWB ASS'Y was changed, we have issued the SERVICE MANUAL for AV-48P575/HP, AV-56P575/HP and AV-56P585/HP.**

# HOW TO IDENTIFY MODELS

**"HPA" is added to the serial No. after at the Rating label.**




| MODEL NAME |
| --- |
| AV-48P575 |
| AV-56P575 |
| AV-56P585 |

| DISTINGUISH NAME |
| --- |
| HPA |

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# DIFFERENCE LIST

## USING P.W. BOARD (Page 3-2)

| P.W.B ASS'Y Name | AV-48P575/H | AV-48P575/HP | DESCRIPTION |
|---|---|---|---|
| MI-COM & DIST MODULE P.W.B | SRP0D001C-M2 | LCA10417-01B(SRP0D001AJSC) | Compatible |

| P.W.B ASS'Y Name | AV-56P575/H<br>AV-56P585/H | AV-56P575/HP<br>AV-56P585/HP | DESCRIPTION |
|---|---|---|---|
| MI-COM & DIST MODULE P.W.B | SRP0D001C-M2 | LCA10417-03A (SRP0D001CJSC) | Compatible |

## EXPLODED VIEW PARTS LIST (Page 3-4)

| ⚠ | Ref. No. | Part No. | | PART NAME | DESCRIPTION |
|---|---|---|---|---|---|
| | | AV-48P575/H | AV-48P575/HP | | |
| ⚠ | 305 | SRP0D001C-M2 | LCA10417-01B | MI-COM & DIST MODULE PWB | Compatible |

| ⚠ | Ref. No. | Part No. | | PART NAME | DESCRIPTION |
|---|---|---|---|---|---|
| | | AV-56P575/H<br>AV-56P585/H | AV-56P575/HP<br>AV-56P585/HP | | |
| ⚠ | 305 | SRP0D001C-M2 | LCA10417-03A | MI-COM & DIST MODULE PWB | Compatible |

## SECTION 1
## PRECAUTION

Please refer to "AV-48P575/H, AV-56P575/H and AV-56P585/H (No.YA091)" about this section.

## SECTION 2
## SPECIFIC SERVICE INSTRUCTIONS

Please refer to "AV-48P575/H, AV-56P575/H and AV-56P585/H (No.YA091)" about this section.

## SECTION 3
## DISASSEMBLY

Please refer to "AV-48P575/H, AV-56P575/H and AV-56P585/H (No.YA091)" about this section.

## SECTION 4
## ADJUSTMENT

Please refer to "AV-48P575/H, AV-56P575/H and AV-56P585/H (No.YA091)" about this section.

## SECTION 5
## TROUBLESHOOTING

Please refer to "AV-48P575/H, AV-56P575/H and AV-56P585/H (No.YA091)" about this section.

JVC
Victor Company of Japan, Limited
AV & MULTIMEDIA COMPANY VIDEO DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

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VPT

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# SERVICE MANUAL

## REAR PROJECTION TELEVISION

# AV-48P575/H,
# AV-56P575/H,
# AV-56P585/H

| BASIC CHASSIS |
| --- |
| RP |

[ AV-56P575 ]

I'Art PRO

D.I.S.T. Digital Image Scaling Technology

HIGH DEFINITION TELEVISION HDTV MONITOR

BBE

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

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No.YA091
2004/4

# SPECIFICATION

| Items | | Contents | |
|---|---|---|---|
| | | AV-48P575 | AV-56P575 / AV-56P585 |
| Dimensions (W × H × D) | | 120.0cm × 118.9cm × 62.2cm<br>(47-1/4" × 46-7/8" × 24-1/2") | 136.8cm × 129.6cm × 66.7cm<br>(53-7/8" × 51-1/8" × 26-3/8") |
| Mass | | 72 kg ( 159 lbs ) | 80 kg ( 176 lbs ) |
| TV RF System | | CCIR (M) | |
| Color System | | NTSC | |
| Sound System | | BTSC system (Multi Channel Sound) | |
| Teletext System | | Closed caption (T1-T4 / C1-C4) | |
| Receiving Channels and Frequency | VHF Low<br>VHF High<br>UHF | 02ch~06ch : 54MHz~88MHz<br>07ch~13ch : 174MHz~216MHz<br>14ch~69ch : 470MHz~806MHz | |
| CATV Receiving Channels and Frequency | CATV | 54MHz~804MHz<br>Low Band : 02~06<br>High Band : 07~13<br>Mid Band : A~I by 14~22<br>Super Band : J~W by 23~36<br>Hyper Band : W+1~W+28 by 37~64<br>Ultra Band : W+29~W+58, W+59~W+84 by 65~94, 100~125<br>Sub Mid Band : A-8, A-4~A-1 by 01, 96~99 | |
| TV / CATV Total Channel | | 180 Channels | |
| Intermediate Frequency | Video IF<br>Sound IF | 45.75MHz<br>41.25MHz (4.5MHz) | |
| Color Sub Carrier | | 3.58MHz | |
| Power Input | | AC 120V, 60Hz | |
| Power Consumption | | 248W (Max) | |
| Screen | | Transparent screen (unitized fresnel lens / double lenticular lens) | |
| Screen Size | | 48" (122cm) Measured diagonally<br>16:9 ratio (W:106.3 cm, H:59.8 cm) | 56" (142cm) Measured diagonally,<br>16:9 ratio (W:124 cm, H:69.8 cm) |
| Projection Tube | | 17cm (6.7") tube × 3 ( R/G/B ) | |
| High Voltage | | 31kV+1.0kV/-1.3kV (at zero beam current) | |
| Speaker | | 13cm round type × 2 | |
| Audio Power Output | | 10W+10W | |
| Antenna Terminal | | 75Ω unbalanced, F-type connector × 1 | |
| External Input (1/2/3/4) | Component Video<br>[INPUT-1/2]<br>720p/1080i<br><br>480i/480p<br><br>S-Video<br>[INPUT-1/3/4]<br><br>Video<br>Audio | RCA pin jack × 6<br><br>Y : 1V (p-p) (Sync signal: ±0.35V, 3-value sync.), 75Ω<br>Pb/Pr : ±0.35V, 75Ω<br>Y : 1V (p-p) Positive (Negative sync provided), 75Ω<br>Pb/Pr : 0.7V, 75Ω<br>Mini-DIN 4pin × 3<br>Y: 1V (p-p) positive (Negative sync provided), 75Ω<br>C: 0.286V(p-p) (burst signal)<br>1V (p-p) positive (Negative sync provided), 75Ω (RCA pin jack × 4)<br>500mV(rms) (-4dBs), high impedance (RCA pin jack × 9) | |
| Digital Input | Video<br><br>Audio | HDMI connector<br>(Digital-input terminal is not compatible with computer signal)<br>Digital : HDMI connector<br>Analog : 500mV(rms) (-4dBs), high impedance (RCA pin jack × 2) | |
| Audio Output (FIX) | | 500mV(rms) (-4dBs), low impedance (1kHz when modulated 100%)<br>(RCA pin jack × 2) | |
| AV Compulink III | | 3.5mm mini jack × 1 | |
| Remote Control Unit | | RM-C1257G (AA/R6/UM-3 battery × 2) | |

Design & specifications are subject to change without notice.

# SECTION 1
# PRECAUTION

## 1.1 SAFETY PRECAUTIONS

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by ( ⚠ ) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Use isolation transformer when hot chassis.**
The chassis and any sub-chassis contained in some products are connected to one side of the AC power line. An isolation transformer of adequate capacity should be inserted between the product and the AC power supply point while performing any service on some products when the HOT chassis is exposed.

(5) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND, the ISOLATED (NEUTRAL) : ( ⏚ ) side GND and EARTH : ( ⏚ ) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

(6) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See B1 POWER SUPPLY check).

(7) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(8) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

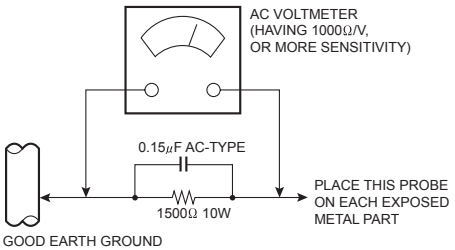
(9) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(10) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

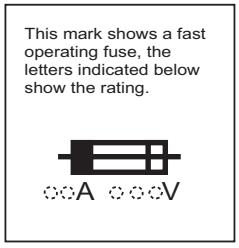
a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 1100V AC (r.m.s.) for a period of one second.
(. . . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.) This method of test requires a test equipment not generally found in the service trade.

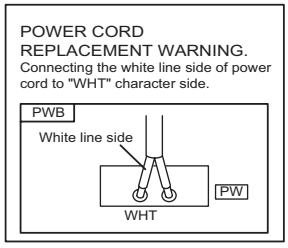
b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

**Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).




(11) **High voltage hold down circuit check.**
After repair of the high voltage hold down circuit, this circuit shall be checked to operate correctly.See item **"How to check the high voltage hold down circuit"**.



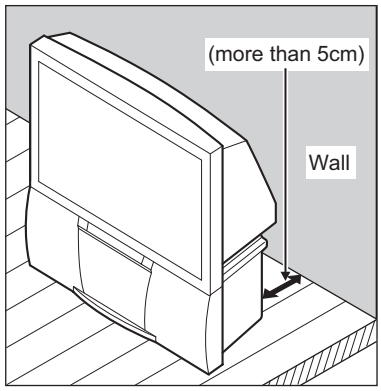
## 1.2 INSTALLATION

### 1.2.1 INSTALLATION SITE

(1) The rear of this set is provided with ventilation openings. Install the set more than 5 cm from a wall and in a location with good ventilation.

(2) Avoid the following types of locations.

a) Unstable locations (location must be able to withstand heavy weight).
b) Locations subjected to direct sunlight.
c) Near stoves or other heating devices.
d) Locations subjected to humidity or oily smoke.
e) Dusty locations.
f) Locations with strong vibration.



VENTILATION OPENING

### 1.2.2 INSTALLATION ADJUSTMENT

When installing, moving or changing the orientation of the set, perform static convergence adjustment according to the following procedure.

Adjusting CRT color convergence have two method, AUTO, MANUAL and RESET. It adjust on the MENU screen.

**NOTE :**

Please have you TV on for at least 20 minutes before sing this feature.

This adjustment will be needed only when the colors of the characters/lines are separated and lack in distinction. If not, please don't perform the adjustment.

**AUTO**

(1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
(2) Press the [function left/right] key, then CONVERGENCE menu appear.
(3) Press the [function up/down] key, and select the "AUTO".
(4) Press the [function left/right] key.
(5) The convergence adjustment will start. It will take about 25 seconds.

**MANUAL**

(1) Press the [MENU] key, and select the "CONVERGENCE" in the INITIAL SETUP menu with [function up/down] key.
(2) Press the [function left/right] key, the CONVERGENCE menu appears.
(3) Press the [function up/down] key, and select the "MANUAL".
(4) Press the [function left/right] key, then CONVERGENCE adjustment screen appear. [Fig.1]
- If all the crosses are white, no convergence adjustment is needed.

(5) Select the location you want to adjust by using the [number (2/4/5/6/8)] keys on the remote control unit. [Fig.2]
(6) Press the [SELECT] key to change the color of the box to the color of the cross you want to adjust (red or blue).
- You cannot adjust the green cross.

(7) Use the [function up/down] key and the [function left/right] keys to adjust the position of the cross.
(8) Adjust the three colors crosses until they overlap and appear as a single white cross.
(9) Press the [OK] key.

**NOTE :**

- When you adjust the convergence, make sure you start with the center position (position 5), and work your way around radial for best results.
- When you make the adjustment in the center (positions 5), you are making the adjustment for the whale screen. In other positions, you are making the adjustment only in that area.
- You can reset the adjustment if you do not like the results, See below.
- If you perform AUTO CONVERGENCE after performing MANUAL CONVERGENCE, your manual convergence you performed will be cancelled.

(10) Press the [menu] key to end the convergence adjustment procedure.

**RESET**

RESET in the CONVERGENCE menu resets all convergence adjustments to the factory default setting.

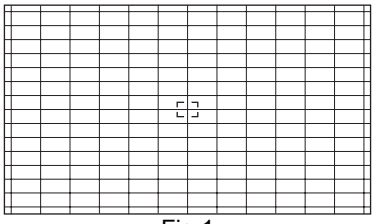


Fig.1

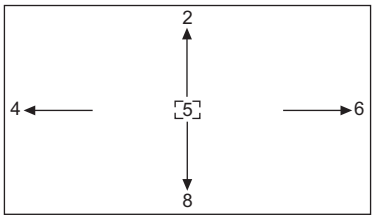


Fig.2

# SECTION 2
# SPECIFIC SERVICE INSTRUCTIONS

## 2.1 FEATURES

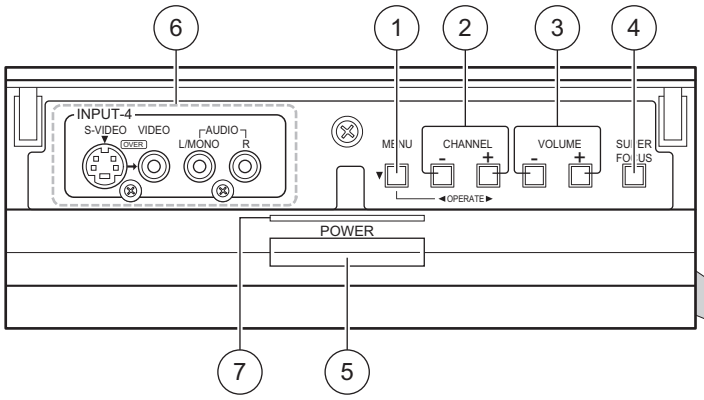
- Rear Projection HDTV.
- New chassis design enable use of an interactive on screen control.
- 3-2 PULL DOWN : You can enjoy DVD movies at the highest picture quality.
- MOTION COMPENSATION : With this function, the seamless reproduction of dynamic motion on the screen has been realized.
- Bullet-in DSD (Digital Super Detail) circuit and 3 dimension Y/C separate circuit.
- Receive DTV broadcast (1080i / 720p / 480p / 480i)
- Built-in HDMI / Component (Y / Pb / Pr) input.
- Built-in A.H.S., BBE circuit.
- Smart Sound and Smart Caption are available (AV-56P585 only).

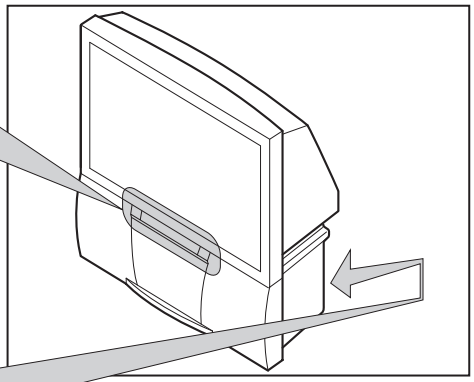
## 2.2 DIFFERENCE LIST

| Item | AV-48P575 | AV-56P575 | AV-56P585 |
|---|---|---|---|
| Smart Sound | --- | --- | available |
| Smart Caption | --- | --- | available |

## 2.3 FUNCTIONS

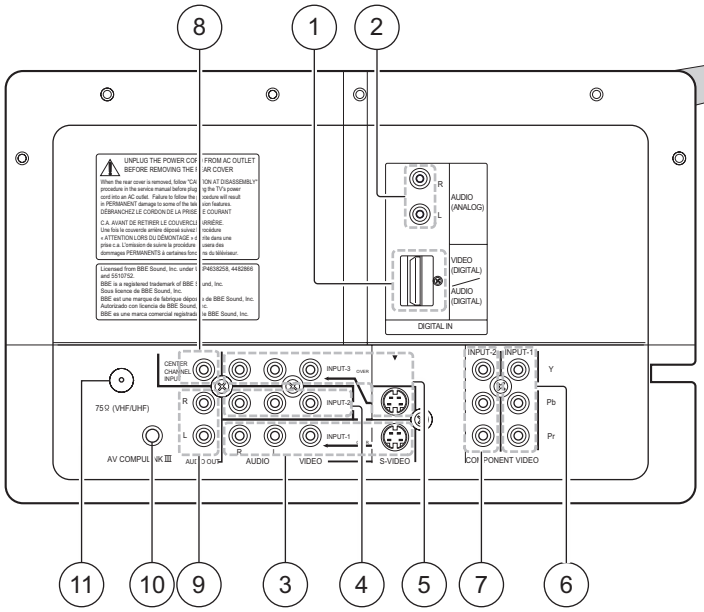
### FRONT CONTROL KEY & TERMINAL



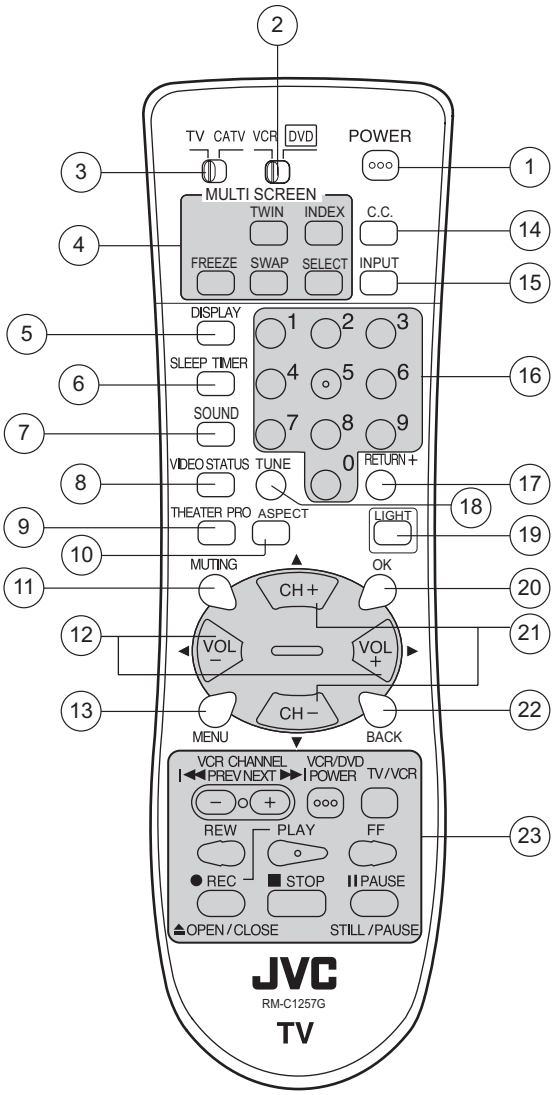
① MENU ( OPERATE ▼ ) button
② CHANNEL -/+ ( OPERATE ◀ / ▶ ) buttons
③ VOLUME -/+ buttons
④ SUPER FOCUS button
⑤ POWER button
⑥ INPUT-4 terminal ( S-VIDEO / VIDEO / AUDIO )
⑦ POWER LED (blue)

### REAR TERMINAL




① DIGITAL IN terminal ( HDMI connector : VIDEO / AUDIO )
② AUDIO INPUT (For DIGITAL IN) terminal
③ INPUT-1 terminal ( S-VIDEO / VIDEO / AUDIO )
④ INPUT-2 terminal ( VIDEO / AUDIO )
⑤ INPUT-3 terminal ( S-VIDEO / VIDEO / AUDIO )
⑥ INPUT-1 COMPONENT VIDEO terminal ( Y / Pb / Pr )
⑦ INPUT-2 COMPONENT VIDEO terminal ( Y / Pb / Pr )
⑧ CENTER CHANNEL INPUT terminal
⑨ AUDIO OUT terminal
⑩ AV COMPULINK Ⅲ
⑪ Antenna Terminal (VHF/UHF)

**REMOTE CONTROL UNIT [RM-C1257G]**




| | |
|---|---|
| 1 | POWER key |
| 2 | VCR / DVD switch |
| 3 | TV / CATV switch |
| 4 | MULTI SCREEN operation keys |
| 5 | DISPLAY key |
| 6 | SLEEP TIMER key |
| 7 | SOUND key |
| 8 | VIDEO STATUS key |
| 9 | THEATER PRO key |
| 10 | ASPECT key |
| 11 | MUTING key (memory key) |
| 12 | VOL+/- ( ◀ / ▶ ) keys |
| 13 | MENU key |
| 14 | C.C.(Closed Caption) key |
| 15 | INPUT key |
| 16 | Number (1~0) keys |
| 17 | RETURN+ key |
| 18 | TUNE key |
| 19 | LIGHT key |
| 20 | OK key |
| 21 | CH+/- ( ▲ / ▼ ) keys |
| 22 | BACK key |
| 23 | VCR / DVD operation keys |

## 2.4 TECHNICAL INFORMATION

### 2.4.1 MAIN MICRO COMPUTER (CPU) FUNCTION (MN102H75K)

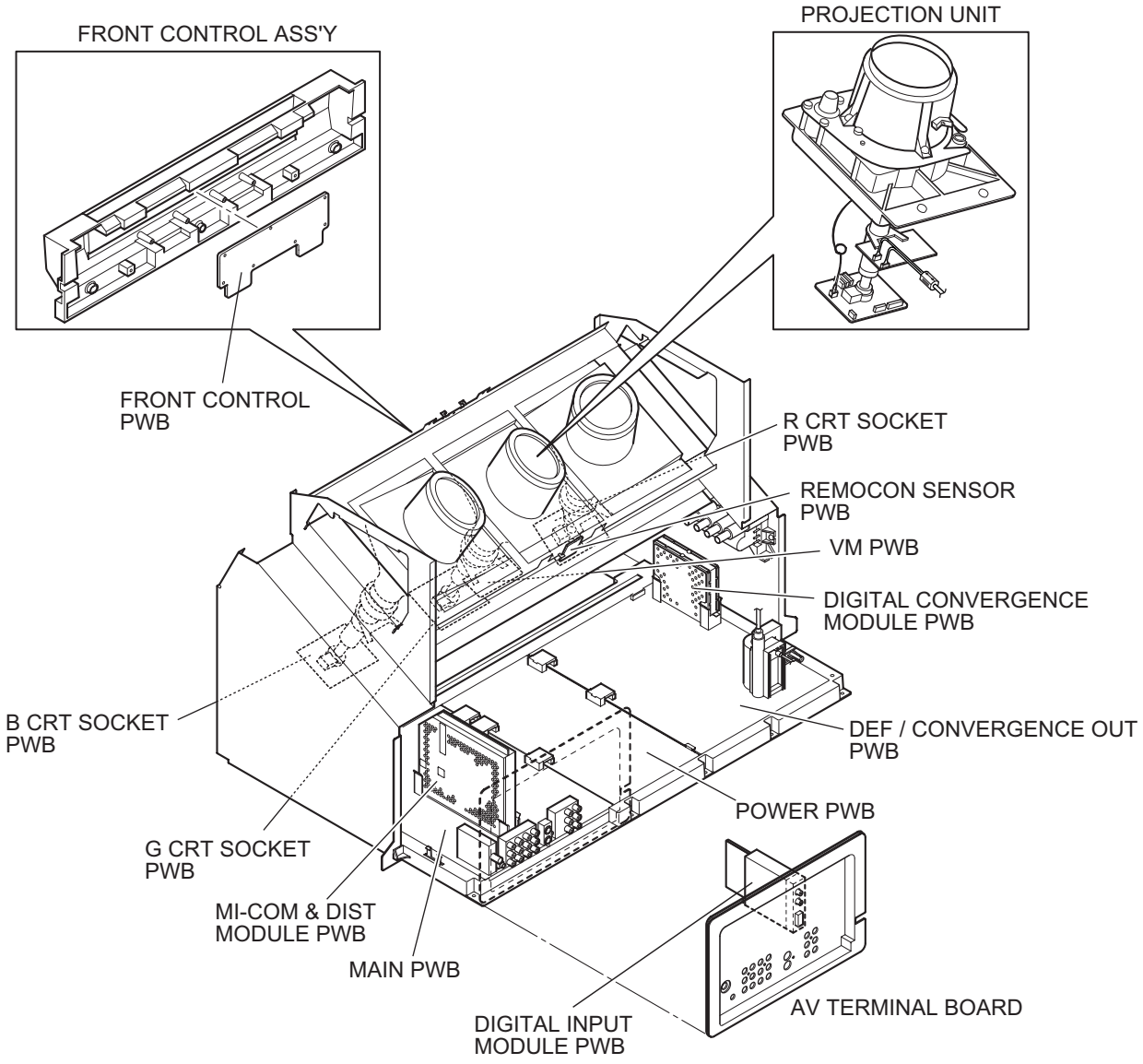
| Pin No. | Pin name | I/O | Function |
|---|---|---|---|
| 1 | NC | O | -------- |
| 2 | /MICON_V | I | V.sync for OSD |
| 3 | LB_PRO | I | Low B protection detection [Protection:H] |
| 4 | NC | - | -------- |
| 5 | /RST | I | Main CPU reset [Reset:L] |
| 6 | NC | O | -------- |
| 7 | /TEST | I | +3.3V |
| 8 | OSD_YS | O | OSD Ys (blanking) |
| 9 | SDA4 | I/O | $I^2C$ bus (data) for JCC5055 |
| 10 | NC | O | -------- |
| 11 | A_MU | O | Audio muting [Muting:H] |
| 12 | /MICON_H | I | H sync for OSD |
| 13 | NC | O | -------- |
| 14 | P46,OSDXI | I | Oscillation for OSD |
| 15 | P45,OSDXO | O | Oscillation for OSD |
| 16 | SDA2 | I/O | $I^2C$ bus (data) for MTS |
| 17 | AC-IN | I | AC for timer count |
| 18 | SCL2 | O | $I^2C$ bus (clock) for MTS |
| 19 | NC | O | -------- |
| 20 | VCOI | I | LPF |
| 21 | PDO | O | LPF |
| 22 | /IP_RESET | O | Reset for DIST [Reset:L] |
| 23 | OSD_YM | O | OSD Ym (transparence) |
| 24 | OSD_B | O | OSD blue |
| 25 | POWER_LED | O | Lighting for POWER LED [HIGH / ON:H] |
| 26 | OSD_G | O | OSD green |
| 27 | OSD_R | O | OSD red |
| 28 | VREF | I | Reference voltage for OSD |
| 29 | IP_ERR | I | DIST program load detect. |
| 30 | IREF | I | Reference current for OSD |
| 31 | COMP | I | Phase adjust for OSD |
| 32 | AVDD | I | +3.3V |
| 33 | CLL | I | Clamp low level |
| 34 | VREFLS | I | Reference voltage for SUB CCD |
| 35 | SUB_CCD | I | Video for sub closed caption decoder |
| 36 | NC | - | -------- |
| 37 | VSS | I | GND |
| 38 | MAIN_CCD | I | Video for main closed caption decorder |
| 39 | VREFHS | I | Reference voltage for MAIN CCD |
| 40 | CLH | I | Clamp high level |
| 41 | VDD/VPP | I | +3.3V |
| 42 | SCL4 | O | $I^2C$ bus (data) for JCC5055 |
| 43 | NC | O | -------- |
| 44 | ON_TIM | O | Lighting for on timer operating [LOW / ON:H] |
| 45 | SBO 0 | O | Convergence control [RXD] |
| 46 | SBD 0 | I | Convergence control [TXD] |
| 47 | SBT1 | I | -------- |
| 48 | AP_DATA | - | -------- |
| 49 | BS_RST | - | -------- |
| 50 | SQR | - | -------- |
| 51 | BS1.5CTL | - | -------- |
| 52 | NC | O | -------- |
| 53 | NC | O | -------- |
| 54 | DC_COTL | O | Black level DC reproduce control |
| 55 | NC | O | -------- |
| 56 | NC | O | -------- |
| 57 | NC | O | -------- |
| 58 | /LOB_POW | O | LowB power control [Power on:L] |
| 59 | COMPULINK | I | AV COMPULINK III control |
| 60 | /POWERGOOD | I | Power condition check |
| 61 | /MECA_ON | I | Machine SW interrupt [Pushing:L] |
| 62 | /MAIN_POW | O | Main power control [Power on :L] |
| 63 | NC | - | -------- |
| 64 | /B1 POW | O | B1 power control [Power on:L] |
| 65 | AFC | I | AFT voltage |
| 66 | X_RAY | I | X-ray protection detection [Protection : 2.0V] |
| 67 | SPRIT | O | NC |
| 68 | KEY2 | I | Front key scan 2 (CH+, VOL-/+) |
| 69 | KEY1 | I | Front key scan 1 (MENU, CH-) |
| 70 | SCL1 | O | $I^2C$ bus (clock) for EEP-ROM |
| 71 | SDA1 | I/O | $I^2C$ bus (data) for EEP-ROM |
| 72 | REMO | I | Remote control |
| 73 | NC | O | -------- |
| 74 | VSS | I | GND |
| 75 | OSC2 | O | 4MHz oscillation for system clock |
| 76 | OSC1 | I | 4MHz oscillation for system clock |
| 77 | VDD | I | +3.3V |
| 78 | SCL0 | O | $I^2C$ bus (clock) for general |
| 79 | AP_CLK | O | -------- |
| 80 | SDA0 | I/O | $I^2C$ bus (data) for general |
| 81 | NC | O | -------- |
| 82 | NC | O | -------- |
| 83 | NC | - | -------- |
| 84 | P_MU | O | Picture muting [Muting:H] |

## 2.5 MAIN PARTS LOCATION

### 2.5.1 PWB ASS'Y ARRANGEMENT

The PWB ASS'Y is indicated below.

| PWB ASS'Y name | AV-48P575HA | AV-56P575HA | AV-56P585HA |
|---|---|---|---|
| MAIN PWB ASS'Y | SRP-1003A-M2 | SRP-1004A-M2 | SRP-1002A-M2 |
| MI-COM & DIST MODULE PWB ASS'Y | SRP0D001A-M2 | ← | ← |
| POWER PWB ASS'Y | SRP-9001A-M2 | ← | ← |
| DEF / CONVERGENCE OUT PWB ASS'Y | SRP-2002A-M2 | ← | ← |
| DIGITAL CONVERGENCE MODULE PWB ASS'Y | SRP0K003A-M2 | SRP0K002A-M2 | ← |
| DIGITAL INPUT MODULE PWB ASS'Y | SRP-7803A-M2 | SRP-7804A-M2 | SRP-7802A-M2 |
| FRONT CONTROL PWB ASS'Y | SRP0L001A-M2 | ← | ← |
| REMOCON SENSOR PWB ASS'Y | SRP-8001A-M2 | ← | ← |
| VM PWB ASS'Y | SRP-7201A-M2 | ← | ← |
| R CRT SOCKET PWB ASS'Y | SRP-3101A-M2 | ← | ← |
| G CRT SOCKET PWB ASS'Y | SRP-3201A-M2 | ← | ← |
| B CRT SOCKET PWB ASS'Y | SRP-3301A-M2 | ← | ← |




(This figure is only MAIN UNIT)

## 2.6 SCREEN HANDLING CAUTIONS

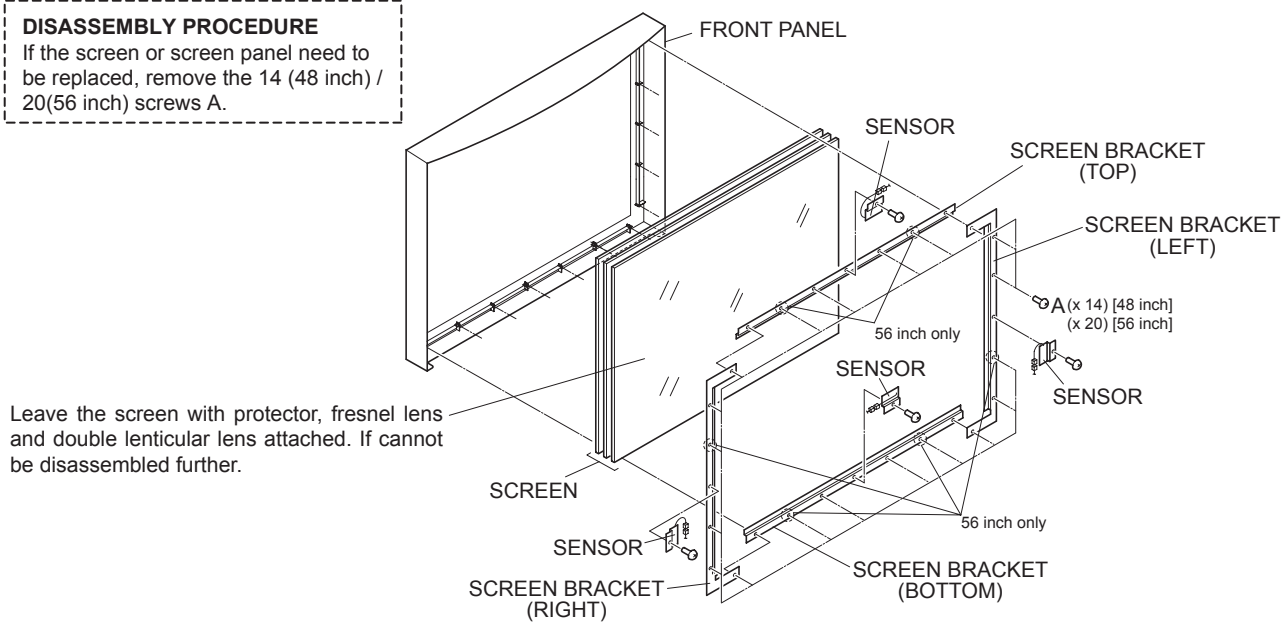
### 2.6.1 SCREEN STORAGE

**Store the SCREEN ASS'Y** in a standing position in order to avoid deformation. If the screen is stored horizontally, there is risk of deforming the screen face.
When necessary to place the SCREEN ASS'Y horizontally, position the screen side upwards and sure to place spacers between the screen and resting site (floor or stand etc.) to prevent the screen from sagging.

### 2.6.2 SCREEN SURFACE

Since the screen surface is easily scratched or soiled, use ample care when handling.

**DISASSEMBLY PROCEDURE**
If the screen or screen panel need to be replaced, remove the 14 (48 inch) / 20(56 inch) screws A.



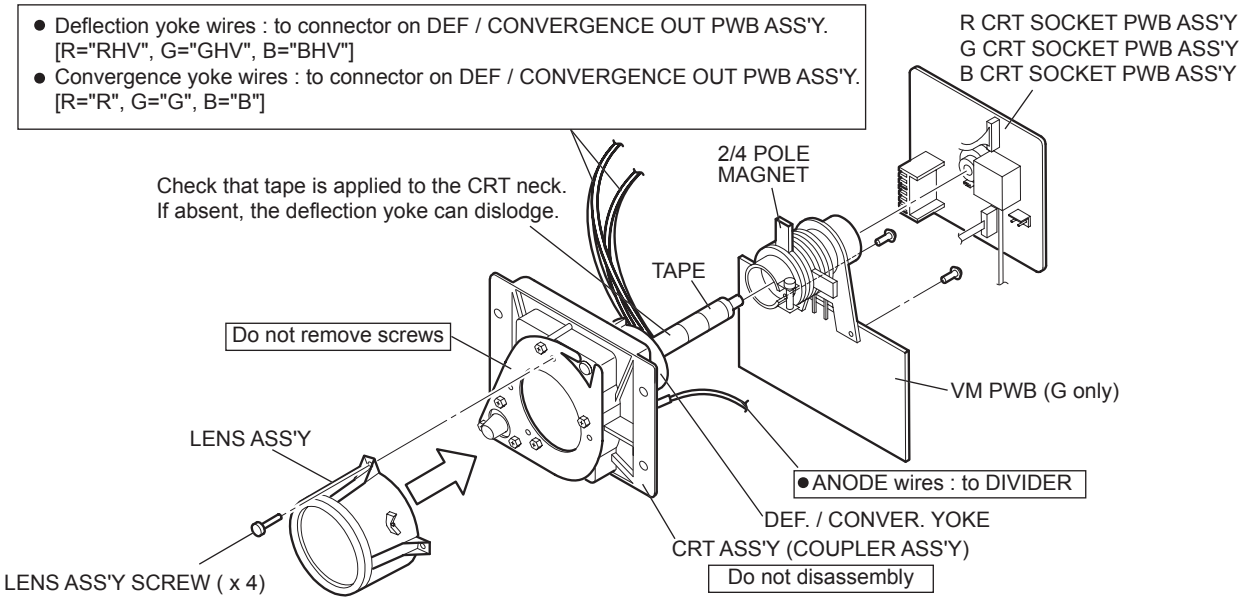

## 2.7 PROJECTION UNIT REPLACEMENT

### 2.7.1 ADJUSTMENT DURING REPLACEMENT

When replacing the three R, G and B projection units, first replace the R and B units and perform focus / screen / raster centering adjustments with reference to the G unit. Then replace the G unit and perform G focus / screen / convergence adjustment. Finally perform R & B . Convergence adjustments. Use care to simultaneously removes all three-projection units.

### 2.7.2 DISASSEMBLY CAUTION

The projection units include locations that are not to be disassembled during service. When replacing projection unit parts, disassemble to the state indicated in the figure below.
The figure indicates screws and wires that are not to be removed. Use care not to remove these.


● Deflection yoke wires : to connector on DEF / CONVERGENCE OUT PWB ASS'Y. [R="RHV", G="GHV", B="BHV"]
● Convergence yoke wires : to connector on DEF / CONVERGENCE OUT PWB ASS'Y. [R="R", G="G", B="B"]
R CRT SOCKET PWB ASS'Y
G CRT SOCKET PWB ASS'Y
B CRT SOCKET PWB ASS'Y
2/4 POLE MAGNET
Check that tape is applied to the CRT neck. If absent, the deflection yoke can dislodge.
TAPE
Do not remove screws
VM PWB (G only)
LENS ASS'Y
● ANODE wires : to DIVIDER
DEF. / CONVER. YOKE
CRT ASS'Y (COUPLER ASS'Y)
Do not disassembly
LENS ASS'Y SCREW ( x 4)

# SECTION 3
# DISASSEMBLY

### 3.1 DISASSEMBLY PROCEDURE

- Make sure that the power cord is pulled out from the AC wall socket.

#### 3.1.1 SPEAKER GRILLE

(1) Remove 2 screws **[ A ]** from rear side.
(2) The SPEAKER GRILLE bottom is pulled to the front, and four claws which are fixing the SPEAKER GRILLE are removed.
(3) Take out the SPEAKER GRILLE.

*Remove the both side SPEAKER GRILLE same manner.

#### 3.1.2 SPEAKER

- Take out the SPEAKER GRILLE.
  (1) Remove 4 screws **[ B ]**.
  (2) Take out the SPEAKER.
  (3) Disconnect the speaker wire from speaker terminal.

*Remove the both side SPEAKER same manner.

#### 3.1.3 FRONT PANEL

- Take out the SPEAKER GRILLE.
  (1) Remove 4 screws **[ C ]**.
  (2) The FRONT PANEL upper is pulled to the front, and two claws which are fixing the FRONT PANEL are removed.
  (3) Take out the FRONT PANEL.

#### 3.1.4 FRONT CONTROL BOX

- Take out the SPEAKER GRILLE.
- Take out the FRONT PANEL.
  (1) Remove 5 screws **[ D ]**.
  (2) Disconnect the connector [CN001H], [CN001G], [CN00R] on the FRONT CONTROL PWB.
  (3) Take out the FRONT CONTROL BOX.

#### 3.1.5 FRONT CONTROL PWB

- Take out the FRONT CONTROL BOX.
  (1) Remove 2 screws **[ E ]**.
  (2) Remove 3 screws **[ F ]** from rear side of FRONT CONTROL BOX.
  (3) Take out the FRONT CONTROL PWB.

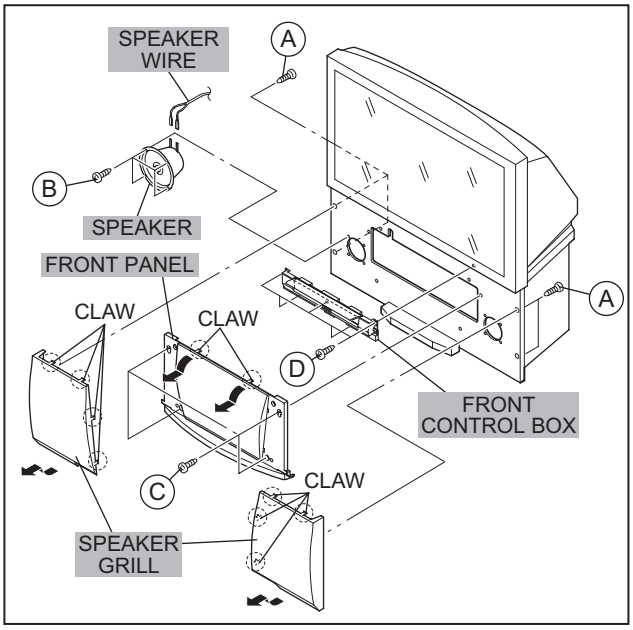



Fig.1

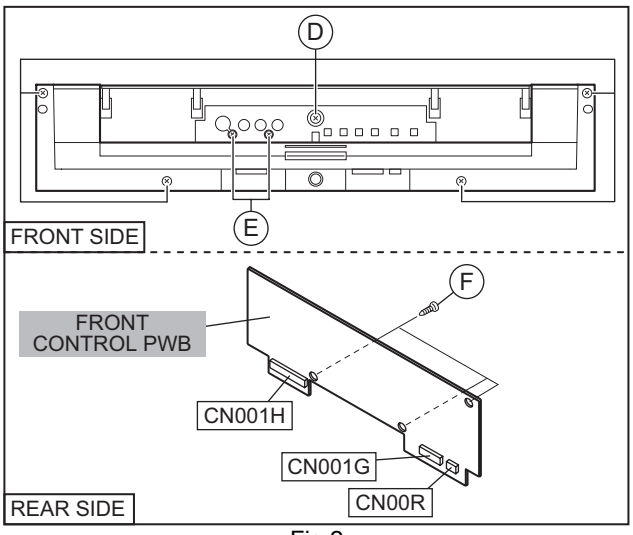
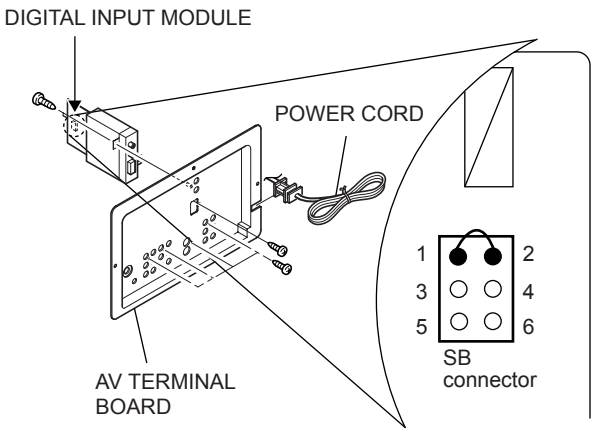



Fig.2

## CAUTION AT DISASSEMBLY




- Prior to disassembly, unplug the power code from the AC outlet without fail. (Turn the power "off".)
- Short the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE. (At the time of assembling)
- Before the rear panel is inserted into the cabinet, release the short-circuit between the SB connector [1] pin and [2] pin of the DIGITAL INPUT MODULE.
- After releasing the short-circuit between the SB connectors, do not turn the power on until the rear panel is inserted into the cabinet.

∗ Negligence in carrying out the above steps may cause the inactivation of the TV.

### 3.1.6 SCREEN ASS'Y

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
  (1) Disconnect the connector **[ CN00Z ]**
  (2) Remove 4 screws **[ G ]** attaching the SCREEN ASS'Y.
  (3) Remove 10 screws **[ H ]** from rear side.
  (4) Take out the SCREEN ASS'Y.

**NOTE :**

- Please place the SCREEN ASS'Y on a flat table without fail.
- Because of the large size, at least two parsons are recommended for removal and reassemble.
- Use core not to scratch the screen during work.
- During assembly, be sure to engage the left and right tabs with the cabinet mounting positions.
- When than sporting the SCREEN ASS'Y, avoid grasping the top of the screen panel, instead grasp the left and right areas.

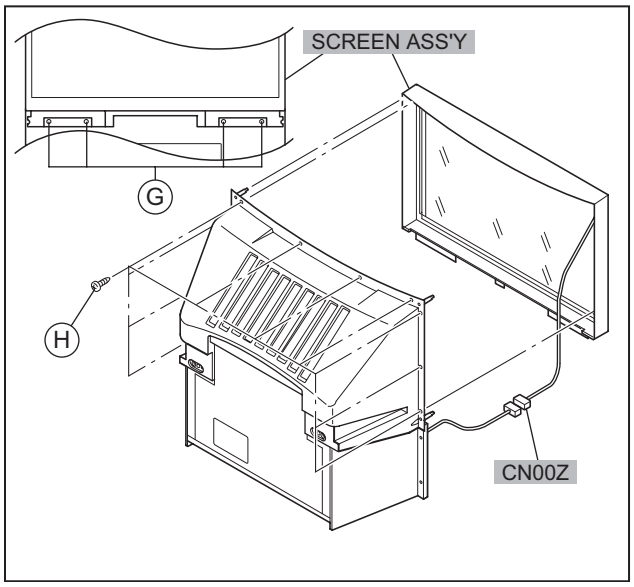



Fig.3

### 3.1.7 CONVERGENCE SENSOR

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
  (1) Remove the 1 screw **[ I ]** attaching the SENSOR HOLDER.
  (2) Remove the claw of the SENSOR HOLDER to take out the CONVERGENCE SENSOR.
  (3) Take out the others CONVERGENCE SENSOR same manner.

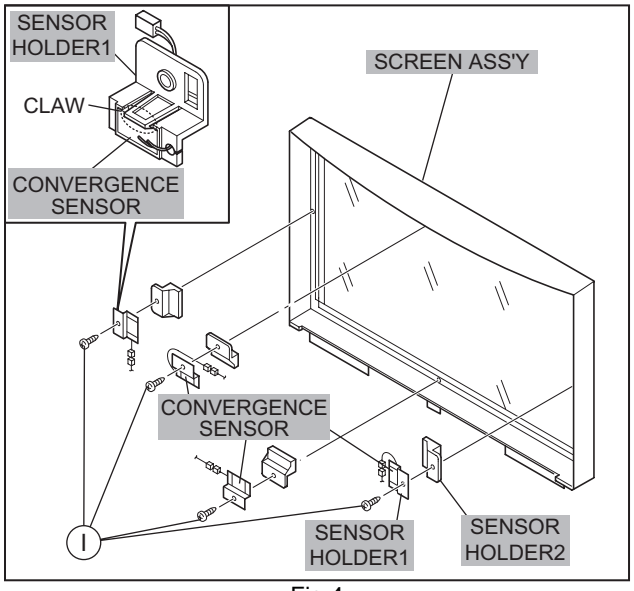



Fig.4

### 3.1.8 MIRROR

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
  (1) Remove 9 screws **[ J ]** attaching the mirror brackets of the upper, left and right side.
  (2) Raise slightly to disengage of the mirror from the bottom bracket. (If necessary, loosen the screws attaching the bottom bracket)
  (3) Take out the MIRROR.

  **NOTE :**
  - The MIRROR is frontcoated. Do not touch the front of the MIRROR.
  - At least 2 persons are recommended for removable and reassemble.

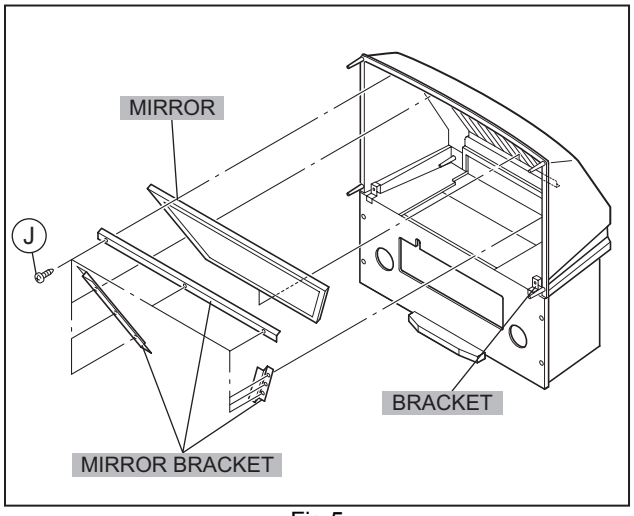



Fig.5

### 3.1.9 REAR PANEL

(1) Remove 6 screws **[ K ]**.
(2) Remove 4 screws **[ L ]**.
(3) Take out the REAR PANEL.

**NOTE :**

- Before the rear panel is inserted into the cabinet, release the short-circuit between the [SB] connector (1) pin and (2) pin of the DIGITAL INPUT UNIT. (Refer to "CAUTION AT DISASSEMBLY" on Page 10).
- After releasing the short-circuit between the [SB] connectors, do not turn the power on until the rear panel is inserted into the cabinet.
- Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.

**⚠Prior to starting the work, be sure to read the following written instructions on the CAUTION LABEL attached to the REAR PANEL.**
UNPLUG THE POWER CORD FROM AC OUTLET BEFORE OPEN THE REAR COVER (PANEL).
When the rear cover (panel) is removed, follow "CAUTION AT DISASSEMBLY" procedure in the service manual before plugging the TV's power cord into an AC outlet.
Failure to follow the procedure will result in PERMANENT damage to some of the television features.

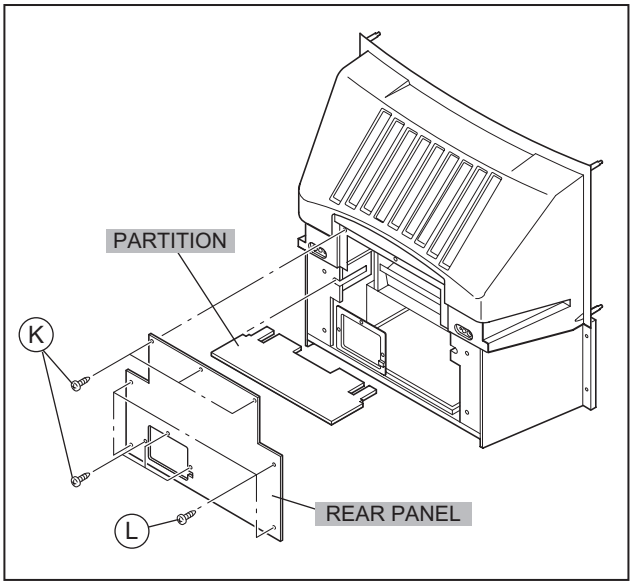


Fig.6

### 3.1.10 PARTITION

- Take out the REAR PANEL.
  (1) Pull out the PARTITION backward.

### 3.1.11 REAR COVER

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the SCREEN ASS'Y.
  (1) Remove 2 screws **[ M ]**.
  (2) Remove 2 screws **[ N ]** from front side.
  (3) Slightly pull for backside to disengage of the REAR COVER from hooks.
  (4) Take out the REAR COVER.

**NOTE :**

- Because of the large size, at least two persons are recommended for removal and reassemble.

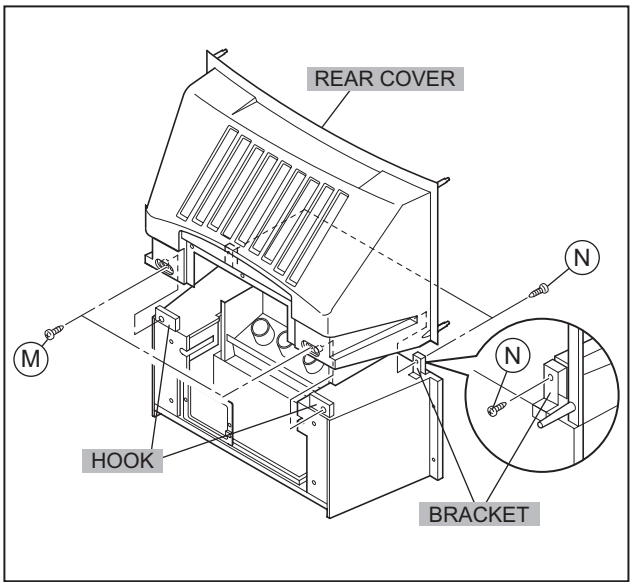


Fig.7

### 3.1.12 MAIN UNIT

- Take out the SPEAKER GRILLE.
- Take out the FRONT PANEL.
- Take out the REAR PANEL.
  (1) Remove 4 screws **[ O ]** from front side.
  (2) Take out the connector **[CN00R]**, **[CN001G]**, **[CN001H]** on the FRONT CONTROL PWB.
  (3) Take out the connector **[CN00Z]** on the DEF & CONVERGENCE OUT PWB.
  (4) Remove 2 screws **[ P ]** attaching the MAIN CHASSIS and BODY.
  (5) Pull out the MAIN UNIT rear side.

**NOTE :**

- Except for confirmation of projection of images on the screen and audio output through the speakers, the removed MAIN UNIT is still workable in the same state as if it is still built in the TV set. Therefore, the MAIN UNIT can be removed, if necessary, for board diagnosis, electric testing, etc. apart from confirmation of screen images and audio output.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.
- Because of the large size, at least two persons are recommended for removal and reassemble.
- When carrying the MAIN UNIT, use care not to drop, shock or shake it.
- Do not stain or damage the lens of the PROJECTION UNIT.
- Do not look the projection side of a PROJECTION UNIT when the image is projected.

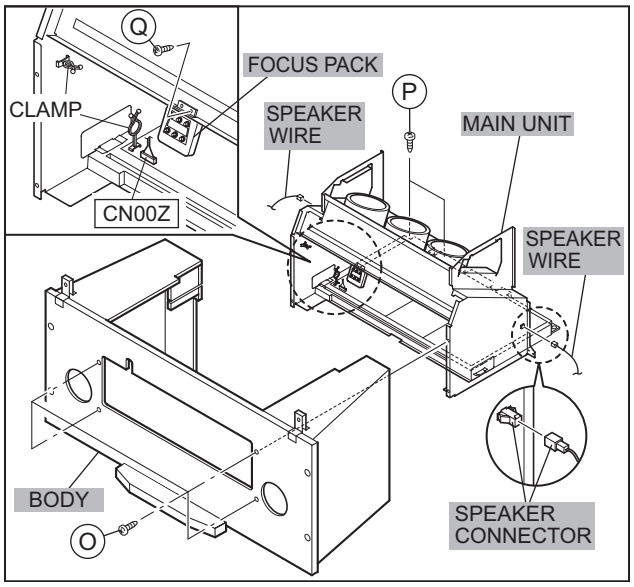


Fig.8

#### 3.1.12.1 CHECKING THE P.W. BOARD

When checking the MAIN PWB, POWER PWB, DEF & CONVERGENCE OUT PWB, etc., raise the MAIN UNIT with the front side down for the make of convenience.

### 3.1.13 FOCUS PACK

- Take out the MAIN UNIT.
  (1) Remove 1 screw **[ Q ]**.
  (2) Take out the FOCUS PACK.
  (3) Take out 9 wires connecting the FOCUS PACK.

### 3.1.14 AV TERMINAL BOARD

- Take out the REAR PANEL.
  (1) Remove 4 screws **[ R ]**.
  (2) Pull out the POWER CORD CLAMP from AV TERMINAL BOARD right side.
  (3) Disconnect the connector **[AU]**, **[DC]**, **[Q]** and **[SR]** on the DIGITAL INPUT MODULE PWB.
  (4) Take out the AV TERMINAL BOARD.

### 3.1.15 DIGITAL INPUT MODULE

- Take out the AV TERMINAL BOARD.
  (1) Remove 1 screw **[ S ]**.
  (2) Remove 2 screws **[ T ]** from rear side of the AV TERMINAL BOARD.
  (3) Take out the DIGITAL INPUT MODULE.

**NOTE:**

When removing the DIGITAL INPUT MODULE, refer to the "CAUTION AT DISASSEMBLY" section on page 10.

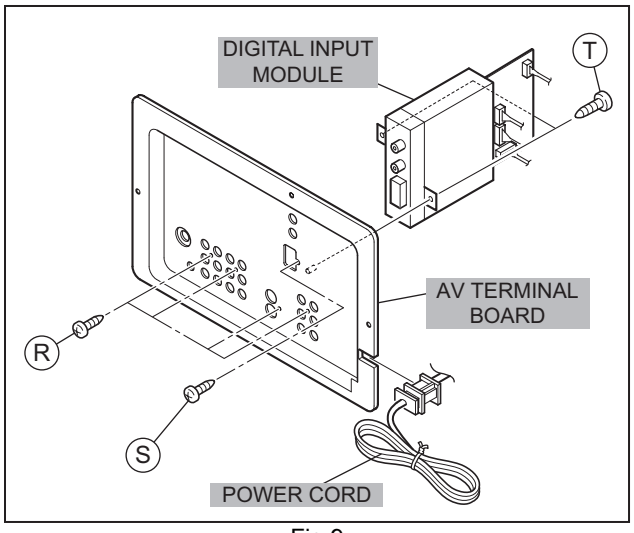


Fig.9

### 3.1.16 MAIN CHASSIS

- Take out the REAR PANEL.
  (1) Remove 2 screws **[ U ]**.
  (2) Remove 2 screws **[ P ]**.
  (3) Pull out the MAIN CHASSIS for backside.

**NOTE:**

If necessary, remove the anode wires, connectors, respectively.

### 3.1.17 MI-COM & DIST MODULE PWB

- Take out the REAR PANEL.
- Take out the MAIN CHASSIS.
  (1) Disconnect the connector **[ CN000E ], [ CN000Y ]** on the MI-COM & DIST MODULE PWB.
  (2) Remove 2 screws **[ V ]**.
  (3) Take out the MI-COM & DIST MODULE PWB.

### 3.1.18 DIGITAL CONVERGENCE MODULE PWB

- Take out the REAR PANEL.
- Take out the MAIN CHASSIS.
  (1) Remove 2 screws **[ W ]**.
  (2) Take out the DIGITAL CONVERGENCE MODULE PWB.

### 3.1.19 PROJECTION UNIT

- Take out the SPEAKER GRILLE.
- Take out the FRONT CONTROL BOX.
- Take out the REAR PANEL.
- Take out the MAIN UNIT.
  (1) Take out the CRT SOCKET PWB.
  (2) Remove 4 screws **[ X ]**.
  (3) Pull out the PROJECTION UNIT upward.

**NOTE :**

- Refer to "PROJECTION UNIT REPLACEMENT" on page 9 when taking out and replacing the PROJECTION UNIT.
- When wire clamps are removed during work, use care to restore them precisely to their original positions. Performance can be affected if these are not returned to the original positions.

### 3.1.20 HV DIVIDER

- Take out the REAR PANEL.
  (1) Remove 1 screw **[ Y ]**.
  (2) Take out the HV DIVIDER.
  *Wires of the transformer (FBT) and CRT of each PROJECTION UNIT can be removed by turning the connector portions.

**NOTE :**

- If necessary, remove the anode wires, and replacing the HV DIVIDER, take care to correctly engage the connector.

### 3.1.21 REMOCON SENSOR PWB

- Take out the REAR PANEL.
  (1) Disconnect the connector **[ R ]**.
  (2) Remove 1 screw **[ Z ]**.
  (3) Take out the REMOCON SENSOR PWB.

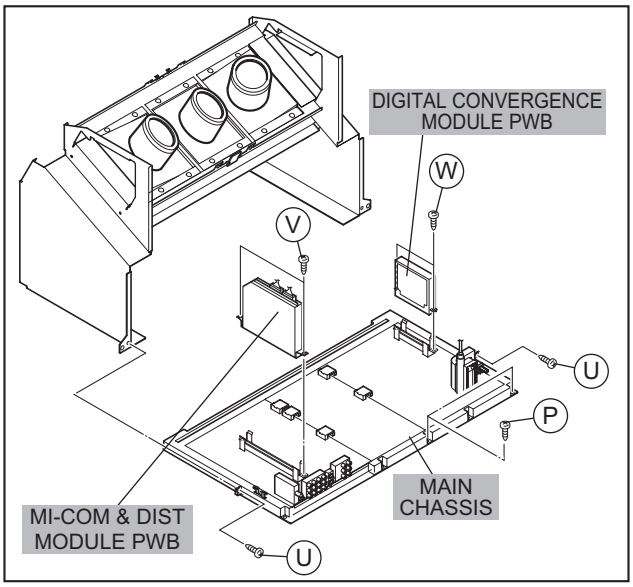


Fig.10

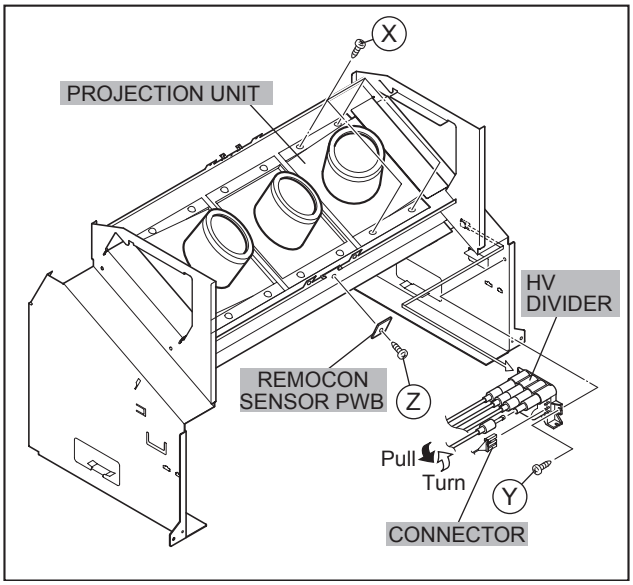


Fig.11

## 3.2 MEMORY IC REPLACEMENT

### 3.2.1 MEMORY IC

This memory IC stores data for proper operation of the video and deflection circuits.
When replacing, be sure to use an IC containing this (initial value) data.

**SERVICE MENU**

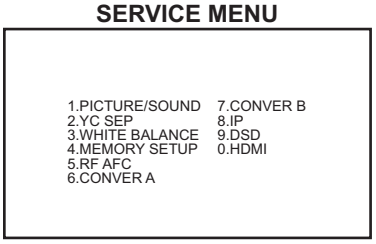



Fig.1

### 3.2.2 MEMORY IC REPLACEMENT PROCEDURE

(1) Power off
Switch off the power and disconnect the power cord from the wall outlet.
(2) Replace the memory IC
Initial value must be entered into the new IC.
(3) Power on
Connect the power cord to the wall outlet and switch on the power.
(4) SERVICE MENU setting
Before entering the SERVICE MENU, confirm that the setting of TV/CATV SW of the REMOTE CONTROL UNIT is at the "TV" side and the setting of VCR/DVD SW of the REMOTE CONTROL UNIT is at the "VCR" side. If the switches have not been properly set, you cannot enter the SERVICE MENU.
a) Press **[SLEEP TIMER]** key and, while the indication of **SLEEP TIMER 0 MIN** is being displayed, press **[DISPLAY]** key and **[VIDEO STATUS]** key (Fig.2) simultaneously.
b) The SERVICE MENU screen of Fig.1 is displayed.
c) Verify what to set in the SERVICE MENU, and set whatever is necessary (Fig.1).
Refer to the SERVICE ADJUSTMENT for setting.
d) Press the [BACK] key twice to return normal screen.
(5) Receive channel setting
Refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the receive channels (Channels Preset) as described.
(6) User settings
Check the user setting items according to after page.
Where these do not agree, refer to the OPERATING INSTRUCTIONS (USER'S GUIDE) and set the items as described.

**SERVICE MENU SELECT KEY**

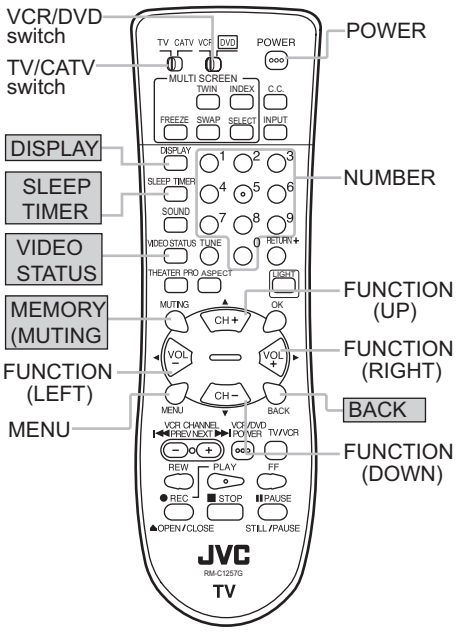



Fig.2

### 3.2.3 SERVICE ADJUSTMENT ITEM

| Setting item | Item No. | Remark | Setting item | Item No. | Remark |
|---|---|---|---|---|---|
| 1.PICTURE/SOUND | | | 6.CONVER A | | |
| AUDIO | A01~A27 | | Convergence adjustment | CPA01~CPA11 | Do not adjust |
| VIDEO | S01~S99 | | | CCA01~CCA12 | |
| DEFLECTION | D01~D32 | | | CDA01~CDA07 | |
| FACTORY setting | F01~F70 | | | CBA01~CBA94 | |
| 2.YC SEP | | | 7.CONVER B | | |
| YC separation setting | YCM001~YCM185 | Do not adjust | Convergence adjustment | ------ | |
| | YCS001~YCS114 | | 8.IP | | |
| | | | DIST process setting | IPA001~IPA042 | Do not adjust |
| 3.WHITE BALANCE | | | 9.DSD | | |
| LOW LIGHT/HIGH LIGHT adjustment | BR, DRV R, DRV B, CUT R, CUT G, CUT B | | DSD process setting | DSA001~DSA053 | Do not adjust |
| | | | | DSB001~DSB053 | |
| 4.MEMORY SETUP | ------ | Do not adjust | | DSC001~DSC044 | |
| 5.RF AFC | | | | DSD001~DSD017 | |
| TUNER RF AFT setting | TUNER, AFC,FINE | Do not adjust | 0.HDMI | | |
| | | | Digital input setting | HDM001~HDM080 | Do not adjust |
| | | | | RHD001~RHD170 | |

### 3.2.4 FACTORY SHIPPING SETTING

**VIDEO STATUS MEMORY**
**(NTSC / 480i / 480p)**

| Item | Setting value | | | | |
|---|---|---|---|---|---|
| | TINT | COLOR | PICTURE | BRIGHT | DETAIL |
| STANDARD | 0 | 0 | 0 | 0 | 0 |
| THEATER | 0 | 0 | 0 | 0 | 0 |
| DYNAMIC | 0 | 0 | +10 | 0 | +5 |
| GAME | 0 | 0 | -10 | 0 | 0 |

**(720p / 1080i)**

| Item | Setting value | | | | |
|---|---|---|---|---|---|
| | TINT | COLOR | PICTURE | BRIGHT | DETAIL |
| STANDARD | 0 | 0 | 0 | 0 | 0 |
| THEATER | 0 | 0 | 0 | 0 | 0 |
| DYNAMIC | 0 | 0 | +5 | 0 | +10 |
| GAME | 0 | 0 | -10 | 0 | 0 |

**CHANNEL SETTING (CHANNEL SUMMARY)**

| Band | CH display | | Setting | Band | CH display | | Setting |
|---|---|---|---|---|---|---|---|
| VHF LOW | 2 | | USED | SUPER | N | 27 | NOT USED |
| | 3 | | NOT USED | | O | 28 | USED |
| | 4 | | USED | | P | 29 | NOT USED |
| | 5 | | USED | | Q | 30 | NOT USED |
| | 6 | | USED | | R | 31 | USED |
| VHF HIGH | 7 | | USED | | S | 32 | USED |
| | 8 | | NOT USED | | T | 33 | NOT USED |
| | 9 | | USED | | U | 34 | NOT USED |
| | 10 | | NOT USED | | V | 35 | NOT USED |
| | 11 | | USED | | W | 36 | USED |
| | 12 | | NOT USED | SUBMID | A-7 | 93 | NOT USED |
| | 13 | | USED | | A-6 | 94 | NOT USED |
| UHF | 14 | | USED | | A-5 | 95 | NOT USED |
| | 36 | | USED | | A-4 | 96 | USED |
| | 41 | | NOT USED | | A-3 | 97 | USED |
| | 46 | | NOT USED | | A-2 | 98 | USED |
| | 63 | | USED | | A-1 | 99 | NOT USED |
| | 69 | | USED | | A-8 | 01 | NOT USED |
| MID | A | 14 | USED | HYPER | W+11 | 47 | USED |
| | B | 15 | USED | | W+12 | 48 | USED |
| | C | 16 | USED | | W+17 | 53 | USED |
| | D | 17 | USED | | W+23 | 59 | USED |
| | E | 18 | USED | ULTRA | W+29 | 65 | NOT USED |
| | F | 19 | NOT USED | | W+51 | | NOT USED |
| | G | 20 | NOT USED | | W+78 | | NOT USED |
| | H | 21 | USED | | W+84 | | NOT USED |
| | I | 22 | NOT USED | | | | |
| SUPER | J | 23 | NOT USED | | | | |
| | K | 24 | USED | | | | |
| | L | 25 | NOT USED | | | | |
| | M | 26 | NOT USED | | | | |

**SHIPPING FACTORY SETTING (USER SETTING)**

| Setting item | Setting value | Setting item | Setting value |
|---|---|---|---|
| POWER<br>CHANNEL<br>VOLUME<br>INPUT | Off<br>CABLE-02<br>10<br>TV | TINT / COLOR / PICTURE/ BRIGHT / DETAIL | Refer to setting of Video status memory at shipping factory setting |
| | | COLOR TEMPERATURE<br>DIG. NOISE CLEAR<br>VSM (Velocity Scan Modulation) | LOW<br>OFF<br>ON |
| DISPLAY<br>ASPECT<br>VIDEO STATUS | OFF<br>REGULAR<br>DYNAMIC | NATURAL CINEMA<br>BASS / TREBLE / BALANCE<br>MTS<br>ON / OFF TIMER<br>LANGUAGE<br>NOISE MUTING<br>FRONT PANEL LOCK<br>CLOSED CAPTION<br>FRONT PANEL LOCK<br>V1 SMART INPUT<br>VIDEO INPUT LABEL | AUTO<br>Center<br>STEREO<br>OFF<br>ENG<br>ON<br>OFF<br>OFF ( CC1 / T1 )<br>OFF<br>OFF<br>BLANK |
| SOUND<br>A.H.S<br>BBE<br>SMART SOUND OFF | <br>OFF<br>ON<br>OFF (AV-56P585 only) | | |
| SPLIT SOURCE | LEFT SIDE : CA 02<br>RIGHT SIDE : INPUT1 | AUTO SHUT OFF<br>DIGITAL-IN<br>DIGITAL AUDIO<br>CHANNEL SUMMARY<br><br>V-CHIP<br>AUTO DEMO | OFF<br>SIZE 1<br>DIGITAL<br>Refer to Last memory (CH. summary)<br>OFF<br>OFF |
| POSITION ADJUSTMENT<br>CENTER CH INPUT<br>XDS ID<br>CONVERGENCE<br>POWER INDICATOR | Center<br>OFF<br>ON<br>AUTO<br>HIGH | | |

### 3.3 REPLACEMENT OF CHIP COMPONENT

#### 3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

#### 3.3.2 SOLDERING IRON

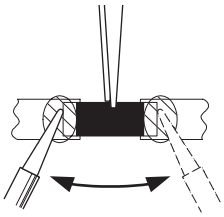
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

#### 3.3.3 REPLACEMENT STEPS

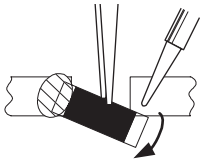
**1. How to remove Chip parts**

**[Resistors, capacitors, etc.]**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



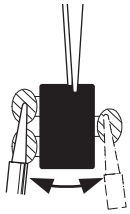
(2) Shift with the tweezers and remove the chip part.



**[Transistors, diodes, variable resistors, etc.]**

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



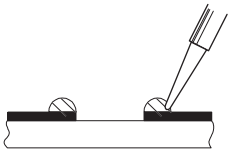
**NOTE :**

After removing the part, remove remaining solder from the pattern.

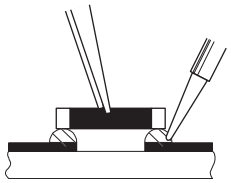
**2. How to install Chip parts**

**[Resistors, capacitors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.

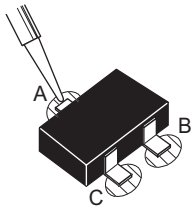


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

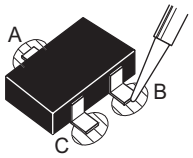


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.




(4) Then solder leads **B** and **C**.



# SECTION 4
# ADJUSTMENT

## 4.1 ADJUSTMENT PREPARATION

(1) You can make the necessary adjustments for this unit with either the Remote Control Unit or with the adjustment tools and parts as given below.
(2) Adjustment with the Remote Control Unit is made on the basis of the initial setting values, however, the new setting values which set the screen to its optimum condition may differ from the initial settings.
(3) Make sure that AC power is turned on correctly.
(4) Turn on the power for set and test equipment before use, and start the adjustment procedures after waiting at least 30 minutes.
(5) Unless otherwise specified, prepare the most suitable reception or input signal for adjustment.
(6) Never touch any adjustment setting value which are not specified in the list for this adjustment.
(7) Presetting before adjustment
Unless otherwise specified in the adjustment instructions, preset the following functions with the remote control unit.

**SETTING POSITION**

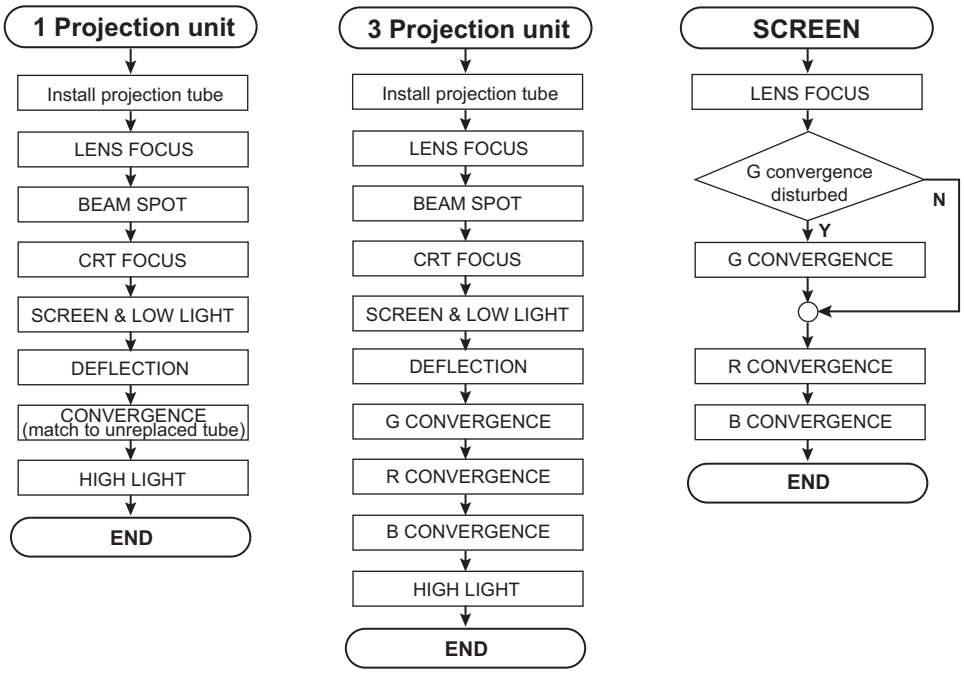
| Setting item | Setting position |
|---|---|
| VIDEO STATUS | STANDARD |
| TINT / COLOR / PICTURE / BRIGHT / DETAIL | 0 |
| COLOR TEMPERATURE | LOW |
| DIG. NOISE CLEAR | OFF |
| NATURAL CINEMA | AUTO |
| VSM | OFF |
| BASS / TREBLE / BALANCE | Center |
| A.H.S | OFF |
| BBE | OFF |
| ASPECT | FULL |
| VERTICAL POSITION | Center |
| ON/OFF TIMER | OFF |
| AUTO SHUTOFF | OFF |

## 4.2 MEASURING INSTRUMENT AND FIXTURES

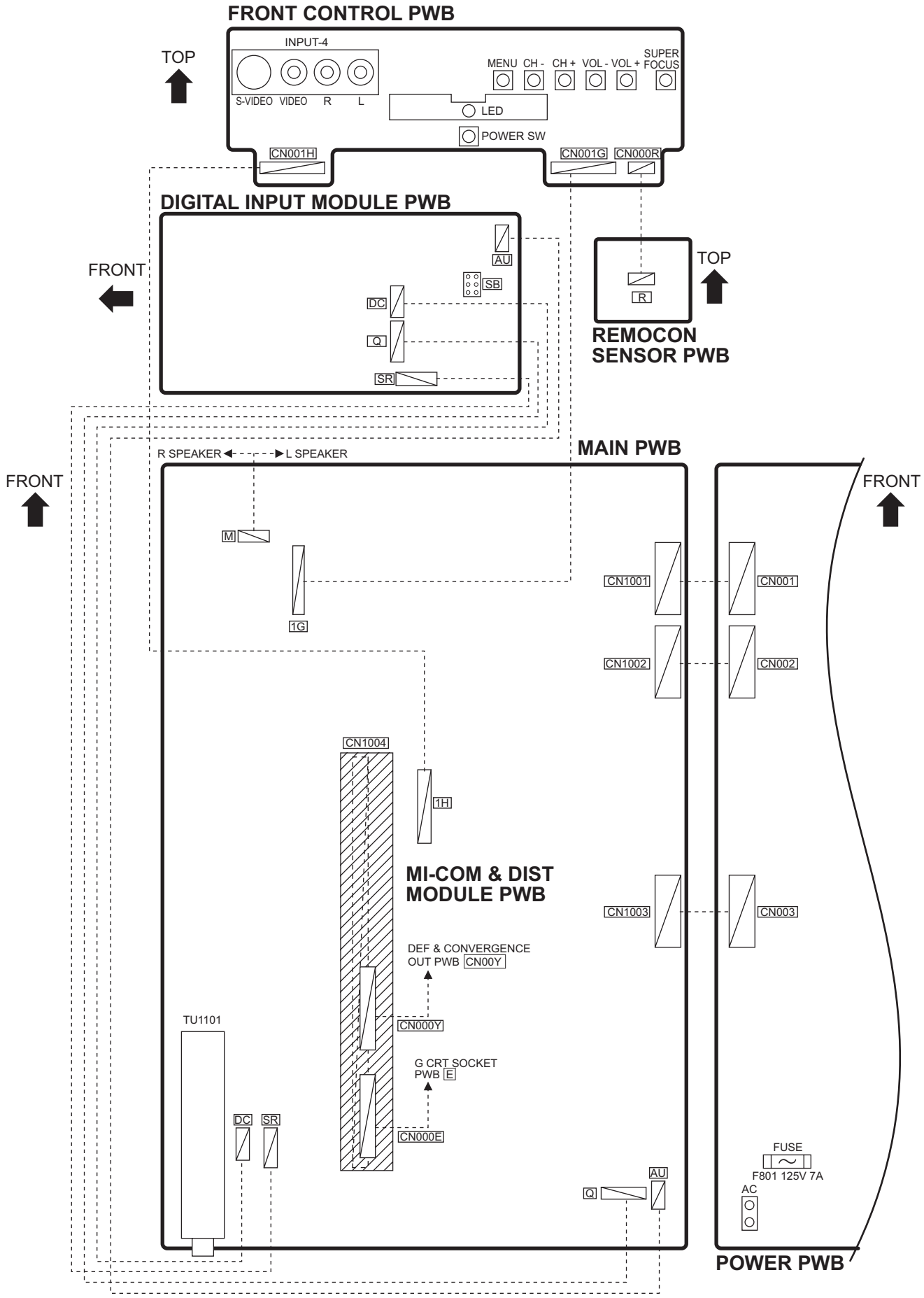
(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Signal generator (Pattern generator)
[NTSC / 480i / 480p / 720p / 1080i / HDMI]
(4) TV audio multiplex signal generator
(5) Remote control unit

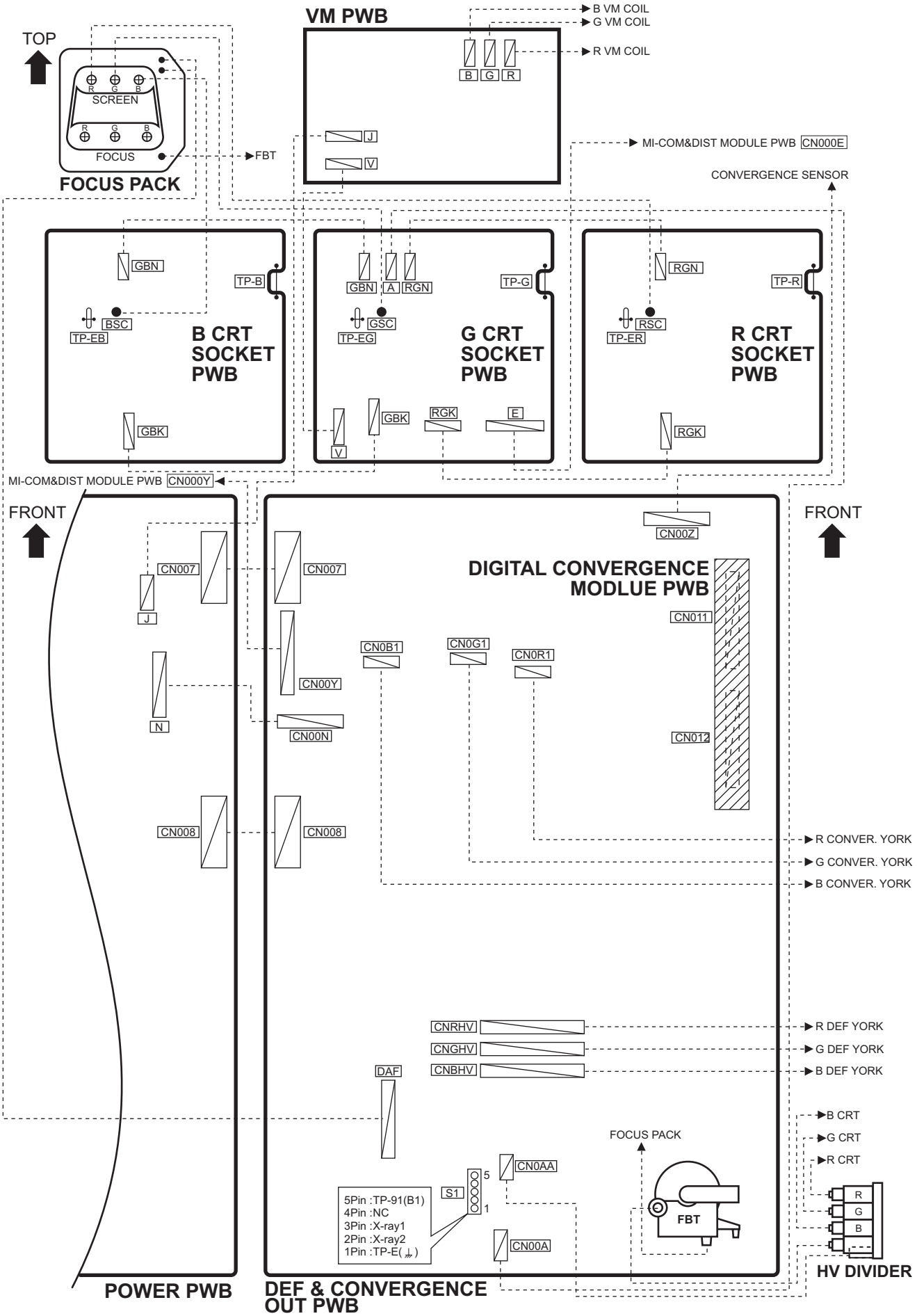
## 4.3 ADJUSTMENT FLOWCHART

WHEN REPLACING SCREEN AND PROJECTION UNIT
• Contains only the main adjustments. Also confirm other adjustments as required.

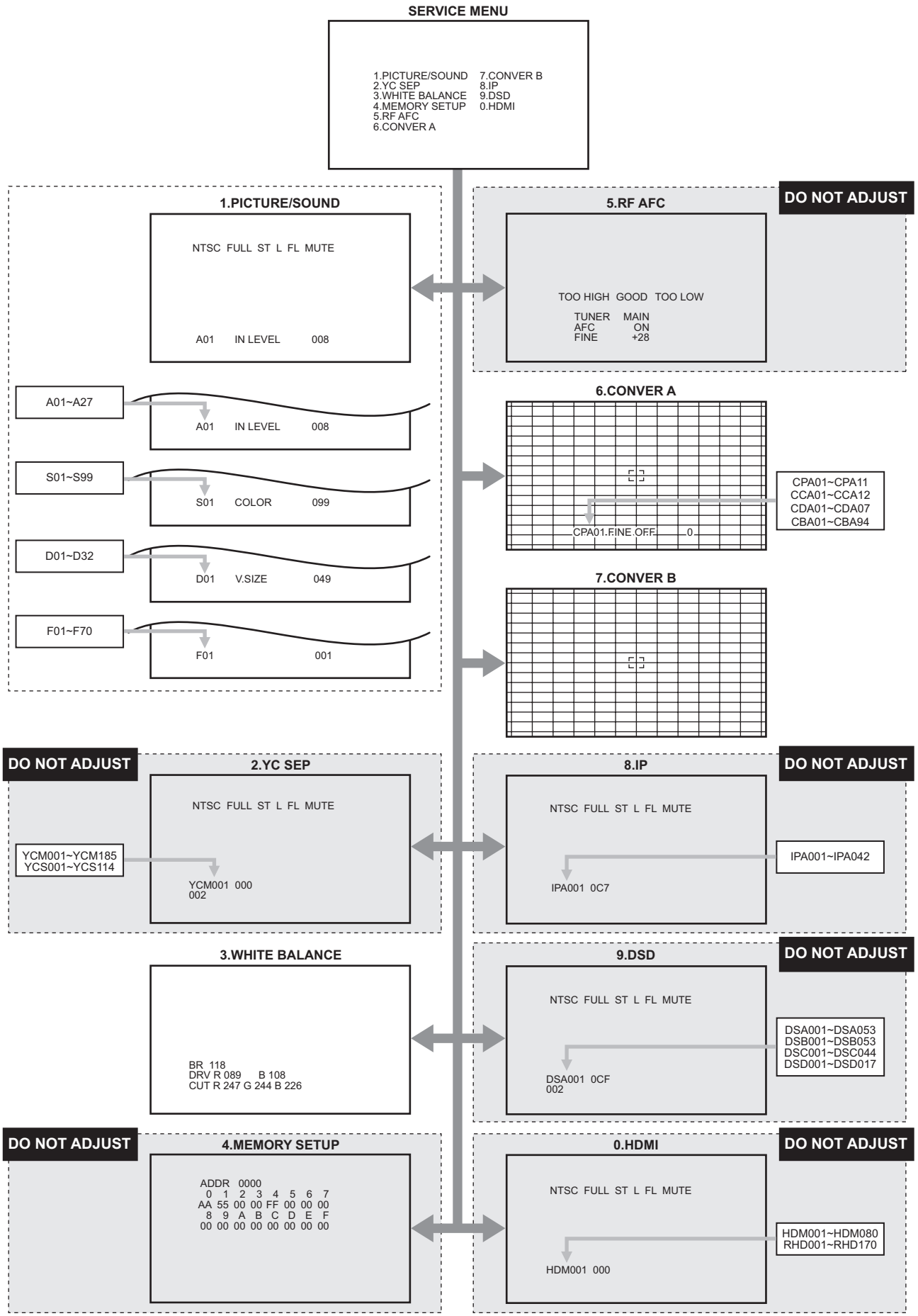


## 4.4 ADJUSTMENT LOCATION




VM PWB
B VM COIL
G VM COIL
R VM COIL
B G R
TOP
SCREEN
FOCUS
FBT
FOCUS PACK
J
V
MI-COM&DIST MODULE PWB CN000E
CONVERGENCE SENSOR
GBN
TP-B
BSC
TP-EB
B CRT SOCKET PWB
GBK
GBN A RGN
TP-G
GSC
TP-EG
G CRT SOCKET PWB
V
GBK
RGK
E
RGN
TP-R
RSC
TP-ER
R CRT SOCKET PWB
RGK
MI-COM&DIST MODULE PWB CN000Y
FRONT
CN00Z
FRONT
CN007
CN007
J
DIGITAL CONVERGENCE MODLUE PWB
CN011
CN0B1
CN0G1
CN0R1
CN00Y
N
CN00N
CN012
CN008
CN008
R CONVER. YORK
G CONVER. YORK
B CONVER. YORK
CNRHV
CNGHV
CNBHV
R DEF YORK
G DEF YORK
B DEF YORK
DAF
FOCUS PACK
B CRT
G CRT
R CRT
CN0AA
S1
5
1
5Pin :TP-91(B1)
4Pin :NC
3Pin :X-ray1
2Pin :X-ray2
1Pin :TP-E( )
CN00A
FBT
R
G
B
HV DIVIDER
POWER PWB
DEF & CONVERGENCE OUT PWB

## 4.5 BASIC OPERATION OF SERVICE MENU



### 4.5.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

### 4.5.2 SERVICE MENU ITEMS

In general, basic setting (adjustments) items or verifications are performed in the SERVICE MENU.

| | |
|---|---|
| 1.PICTURE / SOUND | This sets the setting values of the VIDEO, AUDIO and DEFLECTION circuits. |
| 2.YC SEP | This is used when the YC SEPARATION circuit is adjusted. [Do not adjust] |
| 3.WHITE BALANCE | This sets the setting values of the WHITE BALANCE. |
| 4.MEMORY SETUP | This sets the setting values of the MEMORY ADDRESS. [Do not adjust] |
| 5.RF AFC | This is used when the IF VCO is adjusted. [Do not adjust] |
| 6.CONVER A | This is used when the CONVERGENCE is adjusted. |
| 7.CONVER B | This is used when the CONVERGENCE is adjusted. |
| 8.IP | This sets the setting value of the DIST circuit. [Do not adjust] |
| 9.DSD | This sets the setting value of the DSD circuit. [Do not adjust] |
| 0.HDMI | This sets the setting value of the DIGITAL INPUT circuit. [Do not adjust]. |

### 4.5.3 BASIC OPERATIONS OF THE SERVICE MENU

**(1) How to enter the SERVICE MENU**

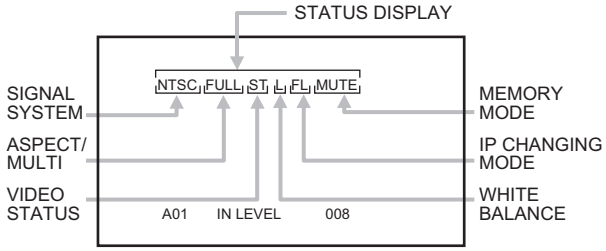
Press [SLEEP TIMER] key and, while the indication of "SLEEP TIMER 0 MIN." is being displayed, press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the SERVICE MENU screen.

**(2) Releasing SERVICE MENU**

After returning to the SERVICE MENU upon completion of the setting work, press the [BACK] key again.

### 4.5.4 DESCRIPTION OF STATUS DISPLAY

The status display on the upper part of the SERVICE MENU screen is common.




**[1.PICTURE/SOUND]**

**(1) SIGNAL SYSTEM**

NTSC : Composite, S-video (Y / C), No signal.
DVD : 480i (component)
ED : 480p
HD : 1080i
720 : 720p
HED1 : HDMI 480p SIZE1
HED2 : HDMI 480p SIZE2
HHD : HDMI 1080i
H750 : HDMI 720p

**(2) ASPECT / MULTI**

1) ONE SCREEN

FULL : FULL
PANO : PANORAMA
CINE : CINEMA
REGU : REGULAR

2) MULTI SCREEN

M1 : One screen (for adjustment)
M2-1 : TWIN (4 : 3)
M2-2 : TWIN (16 : 9)
M12 : INDEX

**(3) VIDEO STATUS**

ST : STANDARD
DA : DYNAMIC
TH : THEATER
GA : GAME

**(4) WHITE BALANCE**

H : HIGH
L : LOW

**(5) IP CONVERTING MODE**

FL : FRAME
LI : LINE
23 : COMPULSORY NATURAL CINEMA IN

**(6) MEMORY MODE**

MUTE : Press [MUTING] key
DIR : Change data then memory at the same time.

### 4.5.5 SERVICE MENU SETTING

**1. PICTURE/SOUND**

AUDIO / VIDEO / DEFLECTION circuit adjustment.

1. SETTING ITEM No.

A : AUDIO
S : SIGNAL
D : DEFLECTION
F : FACTORY SETTING

- Press [CH+] / [CH-] key

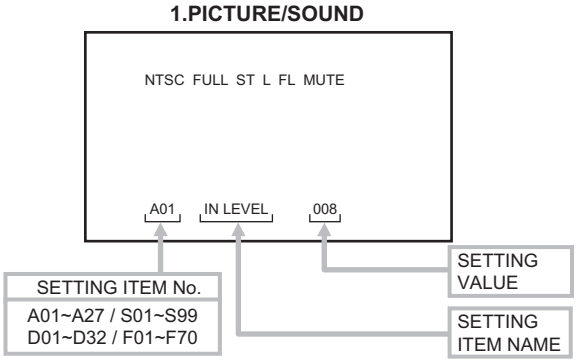
Item No. is up/down

- Press [SLEEP TIMER] key

Skip change

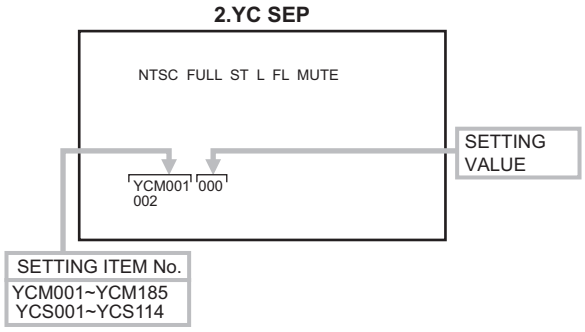
2. SETTING ITEM NAME
Describe setting item name

3. SETTING VALUE
- Press [VOL+] / [VOL-] key
  Set the setting value.
- Press [MUTING] key
  Memorize the data.




**2. YC SEP**

YC separation circuit setting.
**[Do not adjust]**



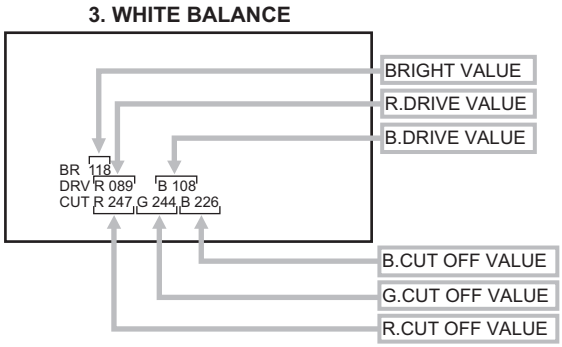

**3. WHITE BALANCE**

Adjustment of LOW LIGHT / HIGH LIGHT.

1. SELECT ITEM
- Press [CH+] / [CH-] key

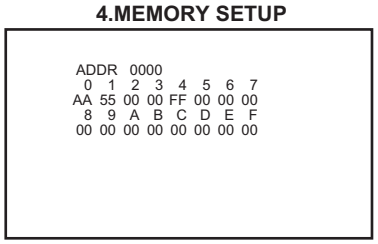
2. SETTING VALUE
BRIGHT
- Press [VOL+] / [VOL-] key

DRIVE
[2] key : DRIVE R is up
[5] key : DRIVE R is down
[3] key : DRIVE B is up
[6] key : DRIVE B is down
CUTOFF
[7] key : CUTOFF G is up
[TUNE] key : CUTOFF G is down
[8] key : CUTOFF R is up
[0] key : CUTOFF R is down
[9] key : CUTOFF B is up
[RETURN+] key : CUTOFF B is down



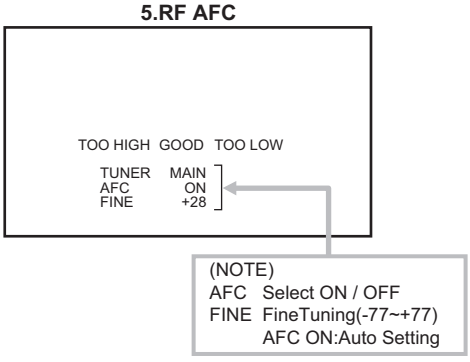

**4. MEMORY SETUP**

Main memory data edition.
**[Do not adjust]**




**5. RF AFC**

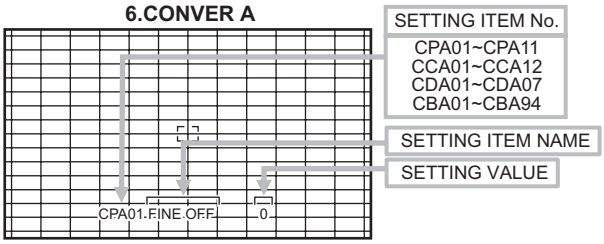
Setting the RF VCO adjustment.
**[Do not adjust]**



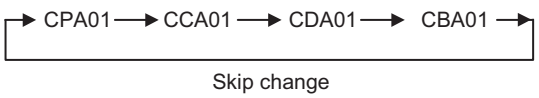
**6. CONVER A**

Setting the CONVERGENCE PHASE adjustment.

- Setting for 6.CONVER A is described in the CONVERGENCE adjustment.



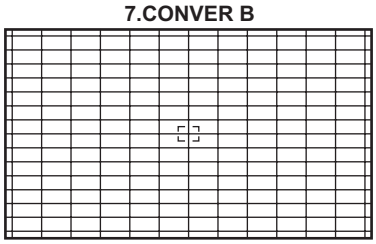

- Press [INPUT] key




**7. CONVER B**

Setting the CONVERGENCE POINT (fine).

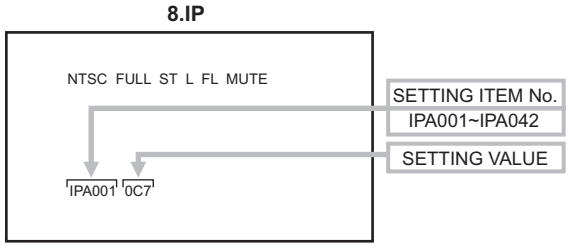
- Setting for 7.CONVER B is described in the CONVERGENCE adjustment.




**8. IP**

DIST circuit data setting.

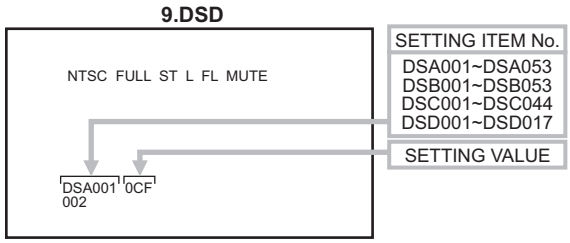
**[Do not adjust]**



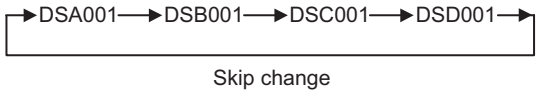

**9. DSD**

DSD circuit data setting.

**[Do not adjust]**



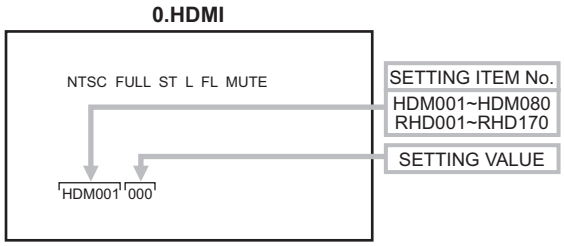

- Press [SLEEP TIMER] key




**0. HDMI**

DIGITAL INPUT circuit data setting.

**[Do not adjust]**




**4.5.6 DESCRIPTION OF TEST MODE**

(1) Press [SLEEP TIMER] key and set 30 minutes.

(2) While the indication "SLEEP TIMER 30 MIN." is being displayed. Press [DISPLAY] key and [VIDEO STATUS] key simultaneously to enter the TEST MODE MENU screen as shown in the Fig.1.

(3) Press [ 5 ] key to enter the 5.CONVER OFF.

(4) Press [INPUT] key to select the crosshatch pattern.

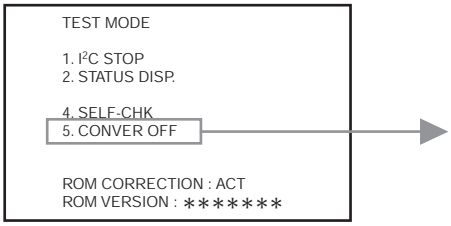



Fig. 1

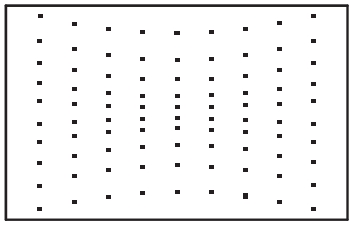


Fig. 2

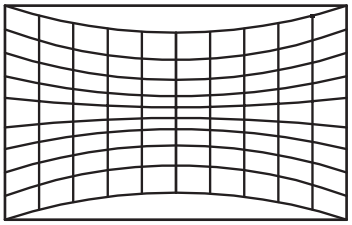


Fig. 3

### 4.6 INITIAL SETTING VALUE OF SERVICE MENU

(1) Adjustment of the SERVICE MENU is made on the basis of the initial setting values; however, the new setting values which set the screen in its optimum condition may differ from the initial setting.
(2) Do not change the initial setting values of the setting items NOT LISTED IN ADJUSTMENT.
(3) "---" is not adjusted. Setting value is not displayed.

**CAUTION:**

**Never change** the initial setting value any adjustments **except** for those that are designated in the adjustment procedures.
In case where you have made undesignated adjustments by mistake, never press the [MUTING] key on the remote control unit.
Whenever you had not pressed the [MUTING] key, you would be able to recover the initial value by switching the [POWER] key.

#### 4.6.1 [1. PICTURE / SOUND]

**AUDIO SYSTEM**

| Item No. | Item name | Variable range | Initial setting value | | |
|---|---|---|---|---|---|
| | | | AV-48P575 | AV-56P575 | AV-56P585 |
| A01 | IN LEVEL | 000~015 | 008 | 007 | 007 |
| A02 | LOW SEP | 000~063 | 035 | 035 | 035 |
| A03 | HI SEP | 000~063 | 020 | 020 | 020 |
| A04 | BBE BASS | -128~+127 | +010 | +010 | +010 |
| A05 | BBE TRE | -128~+127 | 000 | 000 | 000 |
| A06 | SURROUND | 000 / 001 | 000 | 000 | 000 |
| A07 | BASS OFS | -128~+127 | -017 | -017 | -017 |
| A08 | TRE OFS | -128~+127 | -009 | -009 | -009 |
| A09 | AHS MVE | -128~+127 | 000 | 000 | 000 |
| A10 | AHS MSC | -128~+127 | 000 | 000 | 000 |
| A11 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A12 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A13 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A14 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A15 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A16 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A17 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A18 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A19 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A20 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A21 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A22 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A23 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A24 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A25 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A26 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |
| A27 | **(Not display)** | 000 / 001 | 000 | 000 | 000 |

**DEFLECTION SYSTEM**

| Item No. | Item name | Variable range | SINGLE PICTURE (FULL) | TWIN / INDEX |
|---|---|---|---|---|
| D01 | V. SIZE | 000~127 | 040 | 040 |
| D02 | EW | 000~063 | 035 | 035 |
| D03 | H. SIZE | 000~063 | 019 | 019 |
| D04 | V. SCORE | 000~063 | 040 | 040 |
| D05 | V. LINE | 000~063 | 042 | 042 |
| D06 | V. CENT | 000~063 | 024 | 024 |
| D07 | EW.TRAP | 000~063 | 029 | 029 |
| D08 | BOT.CORN | 000~015 | 008 | 008 |
| D09 | TOP.CORN | 000~015 | 008 | 008 |
| D10 | V. EHT | 000~007 | 005 | 005 |
| D11 | H. EHT | 000~007 | 005 | 005 |
| D12 | **(Not display)** | 000~007 | 006 | 006 |
| D13 | **(Not display)** | 000~015 | 000 | 000 |
| D14 | H. CENTER | 000~255 | 117 | 117 |
| D15 | H. FREQ | 000~255 | 190 | 190 |
| D16 | **(Not display)** | 000~127 | 100 | 100 |
| D17 | **(Not display)** | 000~003 | 000 | 000 |
| D18 | **(Not display)** | 000 / 001 | 000 | 000 |
| D19 | **(Not display)** | 000 / 001 | 000 | 000 |
| D20 | **(Not display)** | 000 / 001 | 000 | 000 |
| D21 | **(Not display)** | 000 / 001 | 000 | 000 |
| D22 | **(Not display)** | 000 / 001 | 000 | 000 |
| D23 | **(Not display)** | 000 / 001 | 000 | 000 |
| D24 | **(Not display)** | 000 / 001 | 000 | 000 |
| D25 | **(Not display)** | 000 / 001 | 000 | 000 |
| D26 | **(Not display)** | 000 / 001 | 000 | 000 |
| D27 | **(Not display)** | 000 / 001 | 000 | 000 |
| D28 | **(Not display)** | 000 / 001 | 000 | 000 |
| D29 | **(Not display)** | 000 / 001 | 000 | 000 |
| D30 | **(Not display)** | 000 / 001 | 000 | 000 |
| D31 | **(Not display)** | 000 / 001 | 000 | 000 |
| D32 | **(Not display)** | 000 / 001 | 000 | 000 |

**VIDEO SYSTEM**

**( NTSC / 480i )**

| Item No. | Item name | Variable range | NTSC | | | | 480i | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | | 48" | 56" | 48" | 56" | 48" | 56" | 48" | 56" |
| S01 | COLOR | 000~255 | 098 | 099 | 088 | 085 | 081 | 081 | 069 | 073 |
| S02 | TINT | 000~255 | 060 | 059 | 052 | 055 | 062 | 064 | 060 | 061 |

**( 480p / 720p / 1080i )**

| Item No. | Item name | Variable range | 480p | | | | 720p / 1080i | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | | 48" | 56" | 48" | 56" | 48" | 56" | 48" | 56" |
| S01 | COLOR | 000~255 | 075 | 089 | 066 | 073 | 067 | 070 | 063 | 070 |
| S02 | TINT | 000~255 | 059 | 058 | 059 | 058 | 063 | 063 | 057 | 059 |

**( NTSC / 480i / 480p )**

| Item No. | Item name | Variable range | NTSC | | | | 480i / 480p | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | | 48" | 56" | 48" | 56" | 48" | 56" | 48" | 56" |
| S03 | BRIGHT | 000~255 | 125 | 128 | 122 | 120 | 124 | 127 | 120 | 123 |
| S04 | CONTRAST | 000~127 | 049 | 051 | 040 | 044 | 060 | 064 | 046 | 047 |

**( 720p / 1080i)**

| Item No. | Item name | Variable range | 720p / 1080i | | | |
|---|---|---|---|---|---|---|
| | | | STANDARD | | THEATER | |
| | | | 48" | 56" | 48" | 56" |
| S03 | BRIGHT | 000~255 | 127 | 130 | 123 | 125 |
| S04 | CONTRAST | 000~127 | 056 | 066 | 044 | 046 |

**( NTSC / 480i )**

| Item No. | Item name | Variable range | NTSC | | | | 480i | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | | 48" | 56" | 48" | 56" | 48" | 56" | 48" | 56" |
| S05 | 0 MTX SW | 000~003 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |
| S06 | INPUT SW | 000~003 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 |
| S07 | B-Y | 000~063 | 010 | 010 | 020 | 024 | 015 | 011 | 026 | 018 |
| S08 | R-Y | 000~015 | 007 | 007 | 000 | 000 | 007 | 007 | 000 | 000 |
| S09 | G-YMATRI | 000~003 | 001 | 001 | 003 | 003 | 001 | 001 | 003 | 003 |

**( 480p / 720p / 1080i )**

| Item No. | Item name | Variable range | 480p | | | | 720p / 1080i | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | | THEATER | | STANDARD | | THEATER | |
| | | | 48" | 56" | 48" | 56" | 48" | 56" | 48" | 56" |
| S05 | 0 MTX SW | 000~003 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |
| S06 | INPUT SW | 000~003 | 001 | 001 | 001 | 001 | 000 | 000 | 000 | 000 |
| S07 | B-Y | 000~063 | 015 | 017 | 025 | 021 | 023 | 021 | 025 | 021 |
| S08 | R-Y | 000~015 | 008 | 008 | 002 | 002 | 004 | 004 | 003 | 003 |
| S09 | G-YMATRI | 000~003 | 001 | 001 | 003 | 003 | 002 | 002 | 002 | 002 |

**( NTSC / 480i )**

| Item No. | Item name | Variable range | NTSC | | | | | 480i | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | | | THEATER | | STANDARD | | | THEATER | |
| | | | HIGH | LOW | | HIGH | LOW | HIGH | LOW | | HIGH | LOW |
| | | | | 48" | 56" | | | | 48" | 56" | | |
| S10 | DRIVE R | 000~255 | --- | 085 | 078 | --- | --- | --- | 086 | 072 | --- | --- |
| S11 | **(Not display)** | -128 ~ +127 | +004 | --- | --- | +006 | +014 | +005 | --- | --- | +006 | +014 |
| S12 | DRIVE B | 000~255 | --- | 080 | 084 | --- | --- | --- | 078 | 079 | --- | --- |
| S13 | **(Not display)** | -128 ~ +127 | +004 | --- | --- | -007 | -022 | +005 | --- | --- | -007 | -022 |

**( 480p / 720p / 1080i )**

| Item No. | Item name | Variable range | 480p | | | | 720p / 1080i | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | | THEATER | | STANDARD | | | THEATER | |
| | | | HIGH | LOW | HIGH | LOW | HIGH | LOW | | HIGH | LOW |
| | | | | | | | | 48" | 56" | | |
| S10 | DRIVE R | 000~255 | --- | --- | --- | --- | --- | 084 | 074 | --- | --- |
| S11 | **(Not display)** | -128 ~ +127 | +003 | 000 | 000 | +001 | +005 | --- | --- | +005 | +008 |
| S12 | DRIVE B | 000~255 | --- | --- | --- | --- | --- | 078 | 083 | --- | --- |
| S13 | **(Not display)** | -128 ~ +127 | +007 | 000 | -005 | -021 | +005 | --- | --- | +001 | -009 |

**( NTSC / 480i / 480p / 720p / 1080i )**

| Item No. | Item name | Variable range | NTSC | | 480i / 480p | | 720p / 1080i | |
|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | THEATER | STANDARD | THEATER | STANDARD | THEATER |
| S14 | CUTOF R | 000~255 | 185 | --- | 185 | --- | 185 | --- |
| S15 | (Not display) | -128 ~ +127 | --- | -004 | --- | 000 | --- | -008 |
| S16 | CUTOF G | 000~255 | 185 | --- | 185 | --- | 185 | --- |
| S17 | (Not display) | -128 ~ +127 | --- | 000 | --- | 000 | --- | 000 |
| S18 | CUTOF B | 000~255 | 185 | --- | 185 | --- | 185 | --- |
| S19 | (Not display) | -128 ~ +127 | --- | -004 | --- | 000 | --- | -008 |
| S20 | CUTOF SW R | 000~003 | 001 | --- | 001 | --- | 001 | --- |
| S21 | CUTOF SW G | 000~003 | 001 | --- | 001 | --- | 001 | --- |
| S22 | CUTOF SW B | 000~003 | 001 | --- | 001 | --- | 001 | --- |

**( NTSC / 480i / OTHERS SIGNAL )**

| Item No. | Item name | Variable range | NTSC | | 480i | | OTHERS SIGNAL | |
|---|---|---|---|---|---|---|---|---|
| | | | STANDARD | THEATER | STANDARD | THEATER | STANDARD | THEATER |
| S23 | DC CTL | 000~255 | 255 | 255 | 255 | 255 | 255 | 255 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| S24 | RGBLIMT | 000~015 | 000 |

**( NTSC / 480i / OTHERS SIGNAL )**

| Item No. | Item name | Variable range | NTSC | 480i | OTHERS SIGNAL |
|---|---|---|---|---|---|
| S25 | BL STRT | 000~015 | 015 | 015 | 015 |
| S26 | BL GAIN | 000~015 | 008 | 008 | 008 |
| S27 | YGM LVL | 000~015 | 000 | 000 | 000 |
| S28 | YGM GAIN | 000~015 | 015 | 015 | 015 |
| S29 | YWD STRT | 000~015 | 002 | 000 | 000 |
| S30 | YWD GAIN | 000~015 | 005 | 002 | 003 |

| Item No. | Item name | Variable range | Initial setting value | |
|---|---|---|---|---|
| | | | STANDARD | THEATER |
| S31 | COL OFST | -128~+127 | --- | --- |
| S32 | TNT OFST | -128~+127 | --- | --- |

**( TWIN / FREEZE )**

| Item No. | Item name | Variable range | TWIN / FREEZE | |
|---|---|---|---|---|
| | | | STANDARD | THEATER |
| S33 | BRT OFST | -128~+127 | -002 | 000 |
| S34 | CNT OFST | -128~+127 | -011 | 000 |

| Item No. | Item name | Variable range | STANDARD | THEATER |
|---|---|---|---|---|
| S35 | DCTRN SW | 000 / 001 | 000 | 000 |
| S36 | BL OFF | 000 / 001 | 000 | 001 |
| S37 | YGM OFF | 000 / 001 | 000 | 001 |
| S38 | ABL OFF | 000 / 001 | 000 | 000 |
| S39 | ACL OFF | 000 / 001 | 000 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| S40 | BLCNT LK | 000 / 001 | 000 |
| S41 | YGCNT LK | 000 / 001 | 000 |
| S42 | DCTRN PL | 000 / 001 | 000 |
| S43 | ABL GAIN | 000~015 | 015 |
| S44 | ABL STRT | 000~015 | 015 |
| S45 | ACL GAIN | 000~015 | 015 |
| S46 | ACL STRT | 000~015 | 000 |

**( TWIN / REGULER / THEATER / OTHERS )**

| Item No. | Item name | Variable range | MULTI SCREEN | ASPECT | VIDEO STATUS | OTHERS |
|---|---|---|---|---|---|---|
| | | | TWIN | REGULAR | THEATER | |
| S47 | ACL EERG | 000~255 | 255 | 255 | 255 | 255 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| S48 | CHRM GM | 000~255 | 255 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| S49 | OSDR DC | 000~127 | 064 |
| S50 | OSDB DC | 000~127 | 064 |
| S51 | BLK OFF | 000 / 001 | 000 |

| Item No. | Item name | Variable range | STANDARD | THEATER |
|---|---|---|---|---|
| S52 | CNT UNDR | -128~+127 | -030 | -021 |
| S53 | CNT UPPR | -128~+127 | +013 | +020 |
| S54 | BRT UNDR | -128~+127 | -020 | -020 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| S55 | EETH BRT | -128~+127 | 000 |
| S56 | EETH CNT | -128~+127 | 000 |
| S57 | BREE CNT | 000~031 | 000 |
| S58 | DKEE CNT | 000~031 | 000 |
| S59 | DREE BRT | 000~127 | 000 |
| S60 | BREE ACL | 000~255 | 000 |
| S61 | DKEE ACL | 000~255 | 000 |
| S62 | VMOFF DE | -128~+127 | +002 |
| S63 | VM LOW | -128~+127 | -025 |
| S64 | VM MID | -128~+127 | -015 |
| S65 | VM HIGH | -128~+127 | +010 |
| S66 | VM L- | -128~+127 | -004 |
| S67 | VM LH | -128~+127 | -002 |
| S68 | VM MH | -128~+127 | 000 |
| S69 | VM M+ | -128~+127 | +001 |
| S70 | BLK R | 000 / 001 | 000 |
| S71 | BLK G | 000 / 001 | 000 |
| S72 | BLK B | 000 / 001 | 000 |
| S73 | **(Not display)** | 000 / 001 | 000 |
| S74 | **(Not display)** | 000 / 001 | 000 |
| S75 | **(Not display)** | 000 / 001 | 000 |
| S76 | **(Not display)** | 000 / 001 | 000 |
| S77 | **(Not display)** | 000 / 001 | 000 |
| S78 | **(Not display)** | 000 / 001 | 000 |
| S79 | **(Not display)** | 000 / 001 | 000 |
| S80 | **(Not display)** | 000 / 001 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| S81 | **(Not display)** | 000 / 001 | 000 |
| S82 | **(Not display)** | 000 / 001 | 000 |
| S83 | **(Not display)** | 000 / 001 | 000 |
| S84 | **(Not display)** | 000 / 001 | 000 |
| S85 | **(Not display)** | 000 / 001 | 000 |
| S86 | **(Not display)** | 000 / 001 | 000 |
| S87 | **(Not display)** | 000 / 001 | 000 |
| S88 | **(Not display)** | 000 / 001 | 000 |
| S89 | **(Not display)** | 000 / 001 | 000 |
| S90 | **(Not display)** | 000 / 001 | 000 |
| S91 | **(Not display)** | 000 / 001 | 000 |
| S92 | **(Not display)** | 000 / 001 | 000 |
| S93 | **(Not display)** | 000 / 001 | 000 |
| S94 | **(Not display)** | 000 / 001 | 000 |
| S95 | **(Not display)** | 000 / 001 | 000 |
| S96 | **(Not display)** | 000 / 001 | 000 |
| S97 | **(Not display)** | 000 / 001 | 000 |
| S98 | **(Not display)** | 000 / 001 | 000 |
| S99 | **(Not display)** | 000 / 001 | 000 |

**OTHERS**

| Item No. | Item name | Variable range | Initial setting value | | |
|---|---|---|---|---|---|
| | | | 48P575 | 56P575 | 56P585 |
| F01 | E 1 | 000~255 | 003 | 004 | 002 |
| F02 | E 2 | 000~255 | 001 | 001 | 001 |
| F03 | **(Not display)** | 000~255 | 127 | 127 | 127 |
| F04 | CATVMAX | 000~255 | 001 | 001 | 001 |
| F05 | **(Not display)** | 000 / 001 | 118 | 118 | 126 |
| F06 | **(Not display)** | 000~255 | 048 | 048 | 112 |
| F07 | **(Not display)** | 000~255 | 015 | 015 | 015 |
| F08 | **(Not display)** | 000~255 | 000 | 000 | 000 |

| Item No. | Item name | Variable range | ASPECT | |
|---|---|---|---|---|
| | | | CINEMA | OTHERS |
| F09 | AUTOSCR1 | 000~015 | 000 | 000 |
| F10 | AUTOSCR2 | 000~015 | 000 | 000 |
| F11 | AUTOSCR3 | 000~015 | 000 | 000 |
| F12 | AUTOSCR4 | 000~015 | 000 | 000 |
| F13 | AUTOSCR5 | 000~015 | 000 | 000 |
| F14 | AUTOSCR6 | 000~015 | 000 | 000 |
| F15 | AUTOSCR7 | 000~015 | 000 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| F16 | **(Not display)** | 000~127 | 070 |
| F17 | **(Not display)** | 000 / 001 | 000 |
| F18 | FIX DATA | 000 / 001 | 000 |
| F19 | **(Not display)** | 000 / 001 | 000 |
| F20 | **(Not display)** | 000~255 | 005 |
| F21 | **(Not display)** | 000~255 | 002 |
| F22 | **(Not display)** | 000 / 001 | 000 |
| F23 | **(Not display)** | 000~255 | 000 |
| F24 | **(Not display)** | 000~255 | 141 |
| F25 | **(Not display)** | 000~255 | 006 |
| F26 | **(Not display)** | 000~255 | 040 |
| F27 | **(Not display)** | 000~255 | 040 |
| F28 | **(Not display)** | 000 /001 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| F29 | **(Not display)** | 000 / 001 | 000 |
| F30 | **(Not display)** | 000 / 001 | 000 |
| F31 | **(Not display)** | 000 / 001 | 000 |
| F32 | ATT V | 000 / 001 | 000 |
| F33 | ATT U | 000 / 001 | 000 |
| F34 | ATT C | 000 / 001 | 000 |
| F35 | **(Not display)** | 000 / 001 | 000 |
| F36 | **(Not display)** | 000 / 001 | 000 |
| F37 | **(Not display)** | 000 / 001 | 000 |
| F38 | DC1 | 000 / 001 | 000 |
| F39 | DC4 | 000 / 001 | 000 |
| F40 | DC5 | 000 / 001 | 000 |

| Item No. | Item name | Variable range | NTSC | 480i | 480p | 720p | 1080i |
|---|---|---|---|---|---|---|---|
| F41 | SS LV | 000~003 | 000 | 002 | 002 | 002 | 002 |
| F42 | SS CP | 000 / 001 | 000 | 000 | 000 | 000 | 000 |
| F43 | SS HDP | 000~063 | 039 | 039 | 037 | 025 | 024 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| F44 | **(Not display)** | 000 / 001 | 000 |
| F45 | **(Not display)** | 000 / 001 | 000 |
| F46 | OUT LV. | 000 / 001 | 000 |
| F47 | LMT BTM | 000 / 001 | 000 |
| F48 | LMT TOP | 000 / 001 | 000 |
| F49 | **(Not display)** | 000 / 001 | 001 |
| F50 | **(Not display)** | 000 / 001 | 001 |
| F51 | **(Not display)** | 000~015 | 011 |
| F52 | **(Not display)** | 000~063 | 055 |
| F53 | **(Not display)** | -128~+127 | 000 |
| F54 | **(Not display)** | 000~255 | 015 |
| F55 | **(Not display)** | 000 / 001 | 000 |
| F56 | **(Not display)** | 000~255 | 188 |
| F57 | **(Not display)** | 000~255 | 105 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| F58 | **(Not display)** | 000~255 | 077 |
| F59 | **(Not display)** | 000 / 001 | 001 |
| F60 | **(Not display)** | 000 / 001 | 000 |
| F61 | **(Not display)** | 000 / 001 | 001 |
| F62 | **(Not display)** | 000 / 001 | 000 |
| F63 | **(Not display)** | -128~+127 | 000 |
| F64 | **(Not display)** | -128~+127 | +010 |
| F65 | **(Not display)** | -128~+127 | 000 |
| F66 | **(Not display)** | 000~007 | 006 |
| F67 | **(Not display)** | 000~003 | 000 |
| F68 | **(Not display)** | 000~255 | 126 |
| F69 | **(Not display)** | 000 / 001 | 001 |
| F70 | **(Not display)** | 000 / 001 | 000 |

#### 4.6.2 [2.YC SEP] (All fixed)

**NOTE :**

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| YCM001 | **(Not display)** | 000 / 001 | 000 |
| YCM002 | **(Not display)** | 000 / 001 | 000 |
| YCM003 | **(Not display)** | 000 / 001 | 000 |
| YCM004 | **(Not display)** | 000~003 | 001 |
| YCM005 | **(Not display)** | 000~255 | 239 |
| YCM006 | **(Not display)** | 000~003 | 001 |
| YCM007 | **(Not display)** | 000~255 | 239 |
| YCM008 | **(Not display)** | 000 / 001 | 000 |
| YCM009 | **(Not display)** | 000~003 | 000 |
| YCM010 | **(Not display)** | 000 / 001 | 000 |
| YCM011 | **(Not display)** | 000 / 001 | 000 |
| YCM012 | **(Not display)** | 000 / 001 | 000 |
| YCM013 | **(Not display)** | 000 / 001 | 000 |
| YCM014 | **(Not display)** | 000~003 | 000 |
| YCM015 | **(Not display)** | 000 / 001 | 000 |
| YCM016 | **(Not display)** | 000~003 | 001 |
| YCM017 | **(Not display)** | 000 / 001 | 001 |
| YCM018 | **(Not display)** | 000~003 | 000 |
| YCM019 | **(Not display)** | 000 / 001 | 000 |
| YCM020 | **(Not display)** | 000 / 001 | 000 |
| YCM021 | **(Not display)** | 000~003 | 002 |
| YCM022 | **(Not display)** | 000~007 | 004 |
| YCM023 | **(Not display)** | 000 / 001 | 001 |
| YCM024 | **(Not display)** | 000 / 001 | 000 |
| YCM025 | **(Not display)** | 000~007 | 005 |
| YCM026 | **(Not display)** | 000~015 | 003 |
| YCM027 | **(Not display)** | 000~003 | 000 |
| YCM028 | **(Not display)** | 000~007 | 003 |
| YCM029 | **(Not display)** | 000~007 | 002 |
| YCM030 | **(Not display)** | 000~003 | 003 |
| YCM031 | **(Not display)** | 000 / 001 | 000 |
| YCM032 | **(Not display)** | 000~003 | 003 |
| YCM033 | **(Not display)** | 000 / 001 | 001 |
| YCM034 | **(Not display)** | 000 / 001 | 000 |
| YCM035 | **(Not display)** | 000~255 | 096 |
| YCM036 | **(Not display)** | 000 / 001 | 001 |
| YCM037 | **(Not display)** | 000~003 | 001 |
| YCM038 | **(Not display)** | 000~127 | 062 |
| YCM039 | **(Not display)** | 000~127 | 073 |
| YCM040 | **(Not display)** | 000~003 | 002 |
| YCM041 | **(Not display)** | 000~063 | 016 |
| YCM042 | **(Not display)** | 000 / 001 | 000 |
| YCM043 | **(Not display)** | 000 / 001 | 000 |
| YCM044 | **(Not display)** | 000~255 | 241 |
| YCM045 | **(Not display)** | 000 / 001 | 000 |
| YCM046 | **(Not display)** | 000~255 | 165 |
| YCM047 | **(Not display)** | 000 / 001 | 001 |
| YCM048 | **(Not display)** | 000 / 001 | 001 |
| YCM049 | **(Not display)** | 000 / 001 | 001 |
| YCM050 | **(Not display)** | 000 / 001 | 001 |
| YCM051 | **(Not display)** | 000 / 001 | 001 |
| YCM052 | **(Not display)** | 000 / 001 | 000 |
| YCM053 | **(Not display)** | 000 / 001 | 001 |
| YCM054 | **(Not display)** | 000~003 | 003 |
| YCM055 | **(Not display)** | 000~003 | 003 |
| YCM056 | **(Not display)** | 000~003 | 000 |
| YCM057 | **(Not display)** | 000 / 001 | 000 |
| YCM058 | **(Not display)** | 000 / 001 | 001 |
| YCM059 | **(Not display)** | 000 / 001 | 001 |
| YCM060 | **(Not display)** | 000 / 001 | 000 |
| YCM061 | **(Not display)** | 000 / 001 | 001 |
| YCM062 | **(Not display)** | 000~015 | 001 |
| YCM063 | **(Not display)** | 000~015 | 004 |
| YCM064 | **(Not display)** | 000 / 001 | 000 |
| YCM065 | **(Not display)** | 000~063 | 060 |
| YCM066 | **(Not display)** | 000~063 | 040 |
| YCM067 | **(Not display)** | 000~063 | 025 |
| YCM068 | **(Not display)** | 000~063 | 012 |
| YCM069 | **(Not display)** | 000~063 | 036 |
| YCM070 | **(Not display)** | 000~063 | 031 |
| YCM071 | **(Not display)** | 000~255 | 031 |
| YCM072 | **(Not display)** | 000 / 001 | 001 |
| YCM073 | **(Not display)** | 000 / 001 | 001 |
| YCM074 | **(Not display)** | 000~063 | 024 |
| YCM075 | **(Not display)** | 000 / 001 | 000 |
| YCM076 | **(Not display)** | 000 / 001 | 001 |
| YCM077 | **(Not display)** | 000~063 | 010 |
| YCM078 | **(Not display)** | 000~063 | 001 |
| YCM079 | **(Not display)** | 000~255 | 000 |
| YCM080 | **(Not display)** | 000~255 | 000 |
| YCM081 | **(Not display)** | 000~255 | 000 |
| YCM082 | **(Not display)** | 000~255 | 000 |
| YCM083 | **(Not display)** | 000 / 001 | 001 |
| YCM084 | **(Not display)** | 000~063 | 012 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| YCM085 | **(Not display)** | 000 / 001 | 000 |
| YCM086 | **(Not display)** | 000 / 001 | 000 |
| YCM087 | **(Not display)** | 000~063 | 028 |
| YCM088 | **(Not display)** | 000 / 001 | 001 |
| YCM089 | **(Not display)** | 000~031 | 000 |
| YCM090 | **(Not display)** | 000~003 | 000 |
| YCM091 | **(Not display)** | 000~015 | 000 |
| YCM092 | **(Not display)** | 000~015 | 000 |
| YCM093 | **(Not display)** | 000~015 | 002 |
| YCM094 | **(Not display)** | 000~063 | 000 |
| YCM095 | **(Not display)** | 000~255 | 040 |
| YCM096 | **(Not display)** | 000 / 001 | 001 |
| YCM097 | **(Not display)** | 000~063 | 063 |
| YCM098 | **(Not display)** | 000~015 | 008 |
| YCM099 | **(Not display)** | 000~015 | 005 |
| YCM100 | **(Not display)** | 000~015 | 008 |
| YCM101 | **(Not display)** | 000~015 | 005 |
| YCM102 | **(Not display)** | 000~015 | 000 |
| YCM103 | **(Not display)** | 000~015 | 002 |
| YCM104 | **(Not display)** | 000~015 | 008 |
| YCM105 | **(Not display)** | 000~015 | 006 |
| YCM106 | **(Not display)** | 000~255 | 010 |
| YCM107 | **(Not display)** | 000~255 | 032 |
| YCM108 | **(Not display)** | 000~255 | 031 |
| YCM109 | **(Not display)** | 000~255 | 064 |
| YCM110 | **(Not display)** | 000 / 001 | 000 |
| YCM111 | **(Not display)** | 000 / 001 | 001 |
| YCM112 | **(Not display)** | 000 / 001 | 001 |
| YCM113 | **(Not display)** | 000 / 001 | 001 |
| YCM114 | **(Not display)** | 000 / 001 | 000 |
| YCM115 | **(Not display)** | 000 / 001 | 001 |
| YCM116 | **(Not display)** | 000 / 001 | 000 |
| YCM117 | **(Not display)** | 000 / 001 | 000 |
| YCM118 | **(Not display)** | 000 / 001 | 001 |
| YCM119 | **(Not display)** | 000 / 001 | 000 |
| YCM120 | **(Not display)** | 000 / 001 | 000 |
| YCM121 | **(Not display)** | 000~003 | 003 |
| YCM122 | **(Not display)** | 000 / 001 | 000 |
| YCM123 | **(Not display)** | 000~255 | 026 |
| YCM124 | **(Not display)** | 000 / 001 | 000 |
| YCM125 | **(Not display)** | 000~255 | 025 |
| YCM126 | **(Not display)** | 000 / 001 | 000 |
| YCM127 | **(Not display)** | 000 / 001 | 001 |
| YCM128 | **(Not display)** | 000 / 001 | 001 |
| YCM129 | **(Not display)** | 000 / 001 | 001 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| YCM130 | **(Not display)** | 000~003 | 001 |
| YCM131 | **(Not display)** | 000~255 | 050 |
| YCM132 | **(Not display)** | 000~255 | 154 |
| YCM133 | **(Not display)** | 000~255 | 055 |
| YCM134 | **(Not display)** | 000~007 | 001 |
| YCM135 | **(Not display)** | 000~255 | 136 |
| YCM136 | **(Not display)** | 000 / 001 | 000 |
| YCM137 | **(Not display)** | 000 / 001 | 001 |
| YCM138 | **(Not display)** | 000~007 | 003 |
| YCM139 | **(Not display)** | 000~255 | 089 |
| YCM140 | **(Not display)** | 000~007 | 000 |
| YCM141 | **(Not display)** | 000~255 | 252 |
| YCM142 | **(Not display)** | 000 / 001 | 001 |
| YCM143 | **(Not display)** | 000~007 | 005 |
| YCM144 | **(Not display)** | 000~255 | 128 |
| YCM145 | **(Not display)** | 000 / 001 | 000 |
| YCM146 | **(Not display)** | 000 / 001 | 001 |
| YCM147 | **(Not display)** | 000 / 001 | 001 |
| YCM148 | **(Not display)** | 000 / 001 | 001 |
| YCM149 | **(Not display)** | 000 / 001 | 000 |
| YCM150 | **(Not display)** | 000 / 001 | 000 |
| YCM151 | **(Not display)** | 000~255 | 136 |
| YCM152 | **(Not display)** | 000 / 001 | 001 |
| YCM153 | **(Not display)** | 000 / 001 | 001 |
| YCM154 | **(Not display)** | 000 / 001 | 001 |
| YCM155 | **(Not display)** | 000~003 | 000 |
| YCM156 | **(Not display)** | 000~015 | 015 |
| YCM157 | **(Not display)** | 000~015 | 004 |
| YCM158 | **(Not display)** | 000 / 001 | 001 |
| YCM159 | **(Not display)** | 000~127 | 004 |
| YCM160 | **(Not display)** | 000 / 001 | 000 |
| YCM161 | **(Not display)** | 000~031 | 000 |
| YCM162 | **(Not display)** | 000 / 001 | 000 |
| YCM163 | **(Not display)** | 000~015 | 003 |
| YCM164 | **(Not display)** | 000~007 | 002 |
| YCM165 | **(Not display)** | 000~031 | 016 |
| YCM166 | **(Not display)** | 000~255 | 235 |
| YCM167 | **(Not display)** | 000~003 | 000 |
| YCM168 | **(Not display)** | 000~063 | 000 |
| YCM169 | **(Not display)** | 000~015 | 003 |
| YCM170 | **(Not display)** | 000~015 | 003 |
| YCM171 | **(Not display)** | 000~007 | 000 |
| YCM172 | **(Not display)** | 000~255 | 096 |
| YCM173 | **(Not display)** | 000~007 | 003 |
| YCM174 | **(Not display)** | 000~255 | 056 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| YCM175 | **(Not display)** | 000 / 001 | 000 |
| YCM176 | **(Not display)** | 000 / 001 | 000 |
| YCM177 | **(Not display)** | 000~255 | 022 |
| YCM178 | **(Not display)** | 000 / 001 | 001 |
| YCM179 | **(Not display)** | 000 / 001 | 000 |
| YCM180 | **(Not display)** | 000~007 | 004 |
| YCM181 | **(Not display)** | 000~003 | 001 |
| YCM182 | **(Not display)** | 000~003 | 001 |
| YCM183 | **(Not display)** | 000~003 | 001 |
| YCM184 | **(Not display)** | 000~003 | 001 |
| YCM185 | **(Not display)** | 000~255 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| YCS001 | **(Not display)** | 000 / 001 | 000 |
| YCS002 | **(Not display)** | 000 / 001 | 000 |
| YCS003 | **(Not display)** | 000 / 001 | 000 |
| YCS004 | **(Not display)** | 000~003 | 001 |
| YCS005 | **(Not display)** | 000~255 | 239 |
| YCS006 | **(Not display)** | 000~003 | 001 |
| YCS007 | **(Not display)** | 000~255 | 239 |
| YCS008 | **(Not display)** | 000 / 001 | 000 |
| YCS009 | **(Not display)** | 000~003 | 000 |
| YCS010 | **(Not display)** | 000 / 001 | 000 |
| YCS011 | **(Not display)** | 000 / 001 | 000 |
| YCS012 | **(Not display)** | 000 / 001 | 000 |
| YCS013 | **(Not display)** | 000 / 001 | 000 |
| YCS014 | **(Not display)** | 000~003 | 000 |
| YCS015 | **(Not display)** | 000 / 001 | 000 |
| YCS016 | **(Not display)** | 000~003 | 001 |
| YCS017 | **(Not display)** | 000 / 001 | 001 |
| YCS018 | **(Not display)** | 000~003 | 000 |
| YCS019 | **(Not display)** | 000~001 | 000 |
| YCS020 | **(Not display)** | 000~001 | 000 |
| YCS021 | **(Not display)** | 000~003 | 002 |
| YCS022 | **(Not display)** | 000~007 | 004 |
| YCS023 | **(Not display)** | 000 / 001 | 001 |
| YCS024 | **(Not display)** | 000 / 001 | 000 |
| YCS025 | **(Not display)** | 000~015 | 005 |
| YCS026 | **(Not display)** | 000~015 | 003 |
| YCS027 | **(Not display)** | 000~003 | 000 |
| YCS028 | **(Not display)** | 000~007 | 004 |
| YCS029 | **(Not display)** | 000~007 | 006 |
| YCS030 | **(Not display)** | 000~003 | 001 |
| YCS031 | **(Not display)** | 000 / 001 | 000 |
| YCS032 | **(Not display)** | 000~003 | 003 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| YCS033 | **(Not display)** | 000 / 001 | 001 |
| YCS034 | **(Not display)** | 000 / 001 | 000 |
| YCS035 | **(Not display)** | 000~255 | 096 |
| YCS036 | **(Not display)** | 000 / 001 | 001 |
| YCS037 | **(Not display)** | 000~003 | 001 |
| YCS038 | **(Not display)** | 000~127 | 062 |
| YCS039 | **(Not display)** | 000~127 | 073 |
| YCS040 | **(Not display)** | 000~003 | 002 |
| YCS041 | **(Not display)** | 000~063 | 016 |
| YCS042 | **(Not display)** | 000 / 001 | 000 |
| YCS043 | **(Not display)** | 000 / 001 | 000 |
| YCS044 | **(Not display)** | 000~255 | 164 |
| YCS045 | **(Not display)** | 000 / 001 | 000 |
| YCS046 | **(Not display)** | 000~255 | 110 |
| YCS047 | **(Not display)** | 000 / 001 | 001 |
| YCS048 | **(Not display)** | 000~031 | 000 |
| YCS049 | **(Not display)** | 000~003 | 000 |
| YCS050 | **(Not display)** | 000~015 | 000 |
| YCS051 | **(Not display)** | 000~015 | 008 |
| YCS052 | **(Not display)** | 000~015 | 001 |
| YCS053 | **(Not display)** | 000~063 | 030 |
| YCS054 | **(Not display)** | 000~255 | 030 |
| YCS055 | **(Not display)** | 000 / 001 | 000 |
| YCS056 | **(Not display)** | 000~063 | 016 |
| YCS057 | **(Not display)** | 000~015 | 008 |
| YCS058 | **(Not display)** | 000~015 | 005 |
| YCS059 | **(Not display)** | 000~015 | 008 |
| YCS060 | **(Not display)** | 000~015 | 005 |
| YCS061 | **(Not display)** | 000~015 | 000 |
| YCS062 | **(Not display)** | 000~015 | 002 |
| YCS063 | **(Not display)** | 000~015 | 008 |
| YCS064 | **(Not display)** | 000~015 | 006 |
| YCS065 | **(Not display)** | 000~255 | 010 |
| YCS066 | **(Not display)** | 000~255 | 032 |
| YCS067 | **(Not display)** | 000~255 | 031 |
| YCS068 | **(Not display)** | 000~255 | 064 |
| YCS069 | **(Not display)** | 000 / 001 | 000 |
| YCS070 | **(Not display)** | 000 / 001 | 001 |
| YCS071 | **(Not display)** | 000 / 001 | 001 |
| YCS072 | **(Not display)** | 000 / 001 | 001 |
| YCS073 | **(Not display)** | 000 / 001 | 000 |
| YCS074 | **(Not display)** | 000 / 001 | 001 |
| YCS075 | **(Not display)** | 000 / 001 | 000 |
| YCS076 | **(Not display)** | 000 / 001 | 000 |
| YCS077 | **(Not display)** | 000 / 001 | 001 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| YCS078 | **(Not display)** | 000 / 001 | 000 |
| YCS079 | **(Not display)** | 000 / 001 | 000 |
| YCS080 | **(Not display)** | 000~003 | 003 |
| YCS081 | **(Not display)** | 000 / 001 | 000 |
| YCS082 | **(Not display)** | 000~255 | 000 |
| YCS083 | **(Not display)** | 000~255 | 000 |
| YCS084 | **(Not display)** | 000~007 | 000 |
| YCS085 | **(Not display)** | 000~255 | 014 |
| YCS086 | **(Not display)** | 000 / 001 | 000 |
| YCS087 | **(Not display)** | 000 / 001 | 001 |
| YCS088 | **(Not display)** | 000 / 001 | 000 |
| YCS089 | **(Not display)** | 000 / 001 | 000 |
| YCS090 | **(Not display)** | 000~255 | 136 |
| YCS091 | **(Not display)** | 000 / 001 | 001 |
| YCS092 | **(Not display)** | 000 / 001 | 001 |
| YCS093 | **(Not display)** | 000 / 001 | 001 |
| YCS094 | **(Not display)** | 000~003 | 000 |
| YCS095 | **(Not display)** | 000~015 | 015 |
| YCS096 | **(Not display)** | 000~015 | 004 |
| YCS097 | **(Not display)** | 000 / 001 | 001 |
| YCS098 | **(Not display)** | 000~127 | 007 |
| YCS099 | **(Not display)** | 000~031 | 000 |
| YCS100 | **(Not display)** | 000 / 001 | 000 |
| YCS101 | **(Not display)** | 000~015 | 003 |
| YCS102 | **(Not display)** | 000~007 | 002 |
| YCS103 | **(Not display)** | 000~031 | 016 |
| YCS104 | **(Not display)** | 000~255 | 235 |
| YCS105 | **(Not display)** | 000~003 | 000 |
| YCS106 | **(Not display)** | 000~063 | 000 |
| YCS107 | **(Not display)** | 000~015 | 003 |
| YCS108 | **(Not display)** | 000~015 | 003 |
| YCS109 | **(Not display)** | 000 / 001 | 000 |
| YCS110 | **(Not display)** | 000~003 | 001 |
| YCS111 | **(Not display)** | 000~003 | 001 |
| YCS112 | **(Not display)** | 000~003 | 001 |
| YCS113 | **(Not display)** | 000~003 | 001 |
| YCS114 | **(Not display)** | 000~255 | 000 |

#### 4.6.3 [3.WHITE BALANCE]

**NOTE :**

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| BR | **(Not display)** | 000~255 | 118 |
| DRV R | **(Not display)** | 000~255 | 089 |
| DRV B | **(Not display)** | 000~255 | 108 |
| CUT R | **(Not display)** | 000~255 | 247 |
| CUT G | **(Not display)** | 000~255 | 244 |
| CUT B | **(Not display)** | 000~255 | 226 |

#### 4.6.4 [6.CONVER A]

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| CPA01 | FINE OFF | 0 / 1 | 0 |
| CPA02 | TPOH | 0~4095 | 114 |
| CPA03 | TPOV LINE | 0~255 | 017 |
| CPA04 | TPOV OFST | 0~7 | 0 |
| CPA05 | FINEP | 0~4095 | 1245 |
| CPA06 | STARTLIN A | 0~127 | 56 |
| CPA07 | STARTLIN B | -7~7 | -1 |
| CPA08 | CAU H2 | 0~15 | 0 |
| CPA09 | COARS OFST | -511~511 | -50 |
| CPA10 | V1OFSTA | -511~511 | 7 |
| CPA11 | V1OFSTB | -31~31 | 0 |

| Item No. | Item name | Variable range | Initial setting value | | |
|---|---|---|---|---|---|
| | | | GREEN | RED | BLUE |
| CCA01 | C H CENT | -512~511 | 0 | -240 | 395 |
| CCA02 | C H SIZE | -512~511 | -27 | -54 | 16 |
| CCA03 | C H LIN | -512~511 | -96 | 240 | -348 |
| CCA04 | C H SKEW | -512~511 | 0 | 0 | -10 |
| CCA05 | C EW PIN | -512~511 | -91 | -26 | -17 |
| CCA06 | C H BOW | -512~511 | 0 | -30 | 21 |
| CCA07 | C V CENT | -512~511 | -19 | 8 | 12 |
| CCA08 | C V SKEW | -512~511 | 0 | 0 | 4 |
| CCA09 | C V SIZE | -512~511 | -108 | -77 | -105 |
| CCA10 | C V LIN | -512~511 | 15 | 12 | 8 |
| CCA11 | C V KEY | -512~511 | 0 | 114 | -77 |
| CCA12 | C TB PIN | -512~511 | 230 | 153 | 230 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| CDA01 | DF DC | -512~511 | 0 |
| CDA02 | DF H1 | -512~511 | 0 |
| CDA03 | DF H2 | -512~511 | 0 |
| CDA04 | DF V1 | -512~511 | 0 |
| CDA05 | DF V2 | -512~511 | 0 |
| CDA06 | DF V1H1 | -512~511 | 0 |
| CDA07 | DF V2H2 | -512~511 | 0 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| CBA01 | ADD RATIO | 0~3 | 0 |
| CBA02 | INTERLACE | 0 / 1 | 0 |
| CBA03 | CKOUT FRE | 0~3 | 0 |
| CBA04 | DF MUTE | 0 / 1 | 0 |
| CBA05 | ODD LEVEL | 0 / 1 | 1 |
| CBA06 | HRET SAMPL | 0~3 | 2 |
| CBA07 | HRETS | 0 / 1 | 0 |
| CBA08 | HRET TIME | -512~511 | 0 |
| CBA09 | H1 CENT RE | 0 / 1 | 1 |
| CBA10 | DF CENT RE | 0 / 1 | 0 |
| CBA11 | VIPOL | 0~127 | 68 |
| CBA12 | V1CENTUP | 0~4095 | 466 |
| CBA13 | RVCLMP STR | 0~15 | 0 |
| CBA14 | RVCLMPTER | 0~15 | 0 |
| CBA15 | RVCLMP CEN | 0 / 1 | 0 |
| CBA16 | GVCLMP STR | 0~15 | 0 |
| CBA17 | GVCLMPTER | 0~15 | 0 |
| CBA18 | GVCLMP CEN | 0 / 1 | 0 |
| CBA19 | BVCLMP STR | 0~15 | 0 |
| CBA20 | BVCLMPTER | 0~15 | 0 |
| CBA21 | BVCLMP CEN | 0 / 1 | 0 |
| CBA22 | RHCLMP STR | 0~15 | 0 |
| CBA23 | RHCLMPTER | 0~15 | 0 |
| CBA24 | RHCLMP CEN | 0 / 1 | 0 |
| CBA25 | GHCLMP STR | 0~15 | 0 |
| CBA26 | GHCLMPTER | 0~15 | 0 |
| CBA27 | GHCLMP CEN | 0 / 1 | 0 |
| CBA28 | BHCLMP STR | 0~15 | 0 |
| CBA29 | BHCLMPTER | 0~15 | 0 |
| CBA30 | BHCLMP CEN | 0 / 1 | 0 |
| CBA31 | PATTERN H | 0~3 | 1 |
| CBA32 | PATTERN W | 0~3 | 1 |
| CBA33 | HATCH PAT | 0~15 | 1 |
| CBA34 | CURS SPACE | 0~7 | 1 |
| CBA35 | HATCH COL | 0~7 | 2 |
| CBA36 | BORDER COL | 0~7 | 0 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| CBA37 | CURSOL COL | 0~7 | 0 |
| CBA38 | CROSS COL | 0~7 | 0 |
| CBA39 | SQUARE COL | 0~7 | 0 |
| CBA40 | XCPOS VPOS | 0~31 | 16 |
| CBA41 | XCPOS HPOS | 0~31 | 16 |
| CBA42 | CURSOL PAT | 0~3 | 0 |
| CBA43 | MTPH1 | -32768~32767 | 0 |
| CBA44 | MTPH2 | -32768~32767 | 0 |
| CBA45 | MTPV1 | -32768~32767 | 0 |
| CBA46 | MTPV2 | -32768~32767 | 0 |
| CBA47 | YSP | -7~7 | 0 |
| CBA48 | BL1POSV | 0~2047 | 0 |
| CBA49 | BL1POSH | 0~4095 | 0 |
| CBA50 | BL2POSV | 0~2047 | 0 |
| CBA51 | BL2POSH | 0~4095 | 0 |
| CBA52 | XPOSV | 0~2047 | 580 |
| CBA53 | XPOSH | 0~4095 | 1012 |
| CBA54 | XLLENV | 0~2047 | 276 |
| CBA55 | XLLENH | 0~4095 | 450 |
| CBA56 | SQ1POSV | 0~2047 | 30 |
| CBA57 | SQ1POSH | 0~4095 | 1024 |
| CBA58 | SQ1VSIZE | 0~255 | 128 |
| CBA59 | SQ1HSIZE | 0~255 | 100 |
| CBA60 | SQ2POSV | 0~2047 | 594 |
| CBA61 | SQ2POSH | 0~4095 | 282 |
| CBA62 | SQ2VSIZE | 0~255 | 100 |
| CBA63 | SQ2HSIZE | 0~255 | 110 |
| CBA64 | SQ3POSV | 0~2047 | 1008 |
| CBA65 | SQ3POSH | 0~4095 | 1024 |
| CBA66 | SQ3VSIZE | 0~255 | 160 |
| CBA67 | SQ3HSIZE | 0~255 | 100 |
| CBA68 | SQ4POSV | 0~2047 | 594 |
| CBA69 | SQ4POSH | 0~4095 | 1612 |
| CBA70 | SQ4VSIZE | 0~255 | 100 |
| CBA71 | SQ4HSIZE | 0~255 | 116 |
| CBA72 | SQ5POSV | 0~2047 | 547 |
| CBA73 | SQ5POSH | 0~4095 | 1013 |
| CBA74 | SQ5VSIZE | 0~255 | 70 |
| CBA75 | SQ5HSIZE | 0~255 | 4 |
| CBA76 | SQ6POSV | 0~2047 | 580 |
| CBA77 | SQ6POSH | 0~4095 | 984 |
| CBA78 | SQ6VSIZE | 0~255 | 4 |
| CBA79 | SQ6HSIZE | 0~255 | 64 |
| CBA80 | SQ7POSV | 0~2047 | 456 |
| CBA81 | SQ7POSH | 0~4095 | 888 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| CBA82 | SQ7VSIZE | 0~255 | 255 |
| CBA83 | SQ7HSIZE | 0~255 | 255 |
| CBA84 | SQ8POSV | 0~2047 | 0 |
| CBA85 | SQ8POSH | 0~4095 | 0 |
| CBA86 | SQ8VSIZE | 0~255 | 0 |
| CBA87 | SQ8HSIZE | 0~255 | 0 |
| CBA88 | ODEVP | 0~3072 | 1584 |
| CBA89 | DFP | 0~4095 | 0 |
| CBA90 | PWMH1P | 0~4095 | 0 |
| CBA91 | PWMH1W | 0~4095 | 0 |
| CBA92 | PWMV1P | 0~1023 | 0 |
| CBA93 | PWMV1W | 0~1023 | 1 |
| CBA94 | PWMH2W | 0~4095 | 0 |

#### 4.6.5 [8.IP] (All fixed)

**NOTE :**

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| IPA001 | **(Not display)** | 000~0FF | 0C7 |
| IPA002 | **(Not display)** | 000~0FF | 000 |
| IPA003 | **(Not display)** | 000~0FF | 000 |
| IPA004 | **(Not display)** | 000~0FF | 08A |
| IPA005 | **(Not display)** | 000~01F | 001 |
| IPA006 | **(Not display)** | 000~0FF | 037 |
| IPA007 | **(Not display)** | 000~00F | 000 |
| IPA008 | **(Not display)** | 000~0FF | 000 |
| IPA009 | **(Not display)** | 000~00F | 000 |
| IPA010 | **(Not display)** | 000~0FF | 080 |
| IPA011 | **(Not display)** | 000~00F | 002 |
| IPA012 | **(Not display)** | 000~0FF | 02B |
| IPA013 | **(Not display)** | 000~00F | 002 |
| IPA014 | **(Not display)** | 000~0FF | 000 |
| IPA015 | **(Not display)** | 000~00F | 002 |
| IPA016 | **(Not display)** | 000~0FF | 080 |
| IPA017 | **(Not display)** | 000~00F | 001 |
| IPA018 | **(Not display)** | 000~0FF | 000 |
| IPA019 | **(Not display)** | 000~00F | 001 |
| IPA020 | **(Not display)** | 000~0FF | 080 |
| IPA021 | **(Not display)** | 000~00F | 016 |
| IPA022 | **(Not display)** | 000~0FF | 023 |
| IPA023 | **(Not display)** | 000~00F | 000 |
| IPA024 | **(Not display)** | 000 / 001 | 001 |
| IPA025 | **(Not display)** | 000 / 001 | 001 |
| IPA026 | **(Not display)** | 000~03F | 01F |
| IPA027 | **(Not display)** | 000~003 | 000 |
| IPA028 | **(Not display)** | 000~03F | 008 |
| IPA029 | **(Not display)** | 000~03F | 02B |
| IPA030 | **(Not display)** | 000~00F | 005 |
| IPA031 | **(Not display)** | 000~007 | 001 |
| IPA032 | **(Not display)** | 000~03F | 010 |
| IPA033 | **(Not display)** | 000 / 001 | 001 |
| IPA034 | **(Not display)** | 000~03F | 039 |
| IPA035 | **(Not display)** | 000 / 001 | 001 |
| IPA036 | **(Not display)** | 000~03F | 00E |
| IPA037 | **(Not display)** | 000~03F | 02E |
| IPA038 | **(Not display)** | 000~03F | 01E |
| IPA039 | **(Not display)** | 000~003 | 002 |
| IPA040 | **(Not display)** | 000~003 | 003 |
| IPA041 | **(Not display)** | 000~00F | 008 |
| IPA042 | **(Not display)** | 000~03F | 020 |

#### 4.6.6 [9.DSD] (All fixed)

**NOTE :**

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| DSA001 | **(Not display)** | 000~03F | 01F |
| DSA002 | **(Not display)** | 000~03F | 012 |
| DSA003 | **(Not display)** | 000~03F | 02E |
| DSA004 | **(Not display)** | 000~003 | 000 |
| DSA005 | **(Not display)** | 000 / 001 | 000 |
| DSA006 | **(Not display)** | 000~003 | 001 |
| DSA007 | **(Not display)** | 000~03F | 010 |
| DSA008 | **(Not display)** | 000 / 001 | 001 |
| DSA009 | **(Not display)** | 000~03F | 010 |
| DSA010 | **(Not display)** | 000 / 001 | 001 |
| DSA011 | **(Not display)** | 000 / 001 | 001 |
| DSA012 | **(Not display)** | 000~03F | 006 |
| DSA013 | **(Not display)** | 000~03F | 010 |
| DSA014 | **(Not display)** | 000~03F | 020 |
| DSA015 | **(Not display)** | 000~003 | 001 |
| DSA016 | **(Not display)** | 000 / 001 | 001 |
| DSA017 | **(Not display)** | 000~003 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| DSA018 | **(Not display)** | 000~03F | 000 |
| DSA019 | **(Not display)** | 000 / 001 | 001 |
| DSA020 | **(Not display)** | 000~03F | 01D |
| DSA021 | **(Not display)** | 000 / 001 | 001 |
| DSA022 | **(Not display)** | 000~03F | 00C |
| DSA023 | **(Not display)** | 000 / 001 | 001 |
| DSA024 | **(Not display)** | 000~03F | 006 |
| DSA025 | **(Not display)** | 000/001 | 001 |
| DSA026 | **(Not display)** | 000~03F | 02F |
| DSA027 | **(Not display)** | 000 / 001 | 001 |
| DSA028 | **(Not display)** | 000~03F | 007 |
| DSA029 | **(Not display)** | 000 / 001 | 001 |
| DSA030 | **(Not display)** | 000 / 001 | 001 |
| DSA031 | **(Not display)** | 000~03F | 023 |
| DSA032 | **(Not display)** | 000 / 001 | 000 |
| DSA033 | **(Not display)** | 000~003 | 000 |
| DSA034 | **(Not display)** | 000~03F | 008 |
| DSA035 | **(Not display)** | 000 / 001 | 001 |
| DSA036 | **(Not display)** | 000 / 001 | 001 |
| DSA037 | **(Not display)** | 000~03F | 023 |
| DSA038 | **(Not display)** | 000 / 001 | 000 |
| DSA039 | **(Not display)** | 000~003 | 000 |
| DSA040 | **(Not display)** | 000~03F | 008 |
| DSA041 | **(Not display)** | 000 / 001 | 001 |
| DSA042 | **(Not display)** | 000 / 001 | 001 |
| DSA043 | **(Not display)** | 000 / 001 | 001 |
| DSA044 | **(Not display)** | 000~03F | 011 |
| DSA045 | **(Not display)** | 000 / 001 | 000 |
| DSA046 | **(Not display)** | 000~003 | 002 |
| DSA047 | **(Not display)** | 000~03F | 005 |
| DSA048 | **(Not display)** | 000 / 001 | 001 |
| DSA049 | **(Not display)** | 000~03F | 000 |
| DSA050 | **(Not display)** | 000 / 001 | 001 |
| DSA051 | **(Not display)** | 000~03F | 00B |
| DSA052 | **(Not display)** | 000 / 001 | 001 |
| DSA053 | **(Not display)** | 000 / 001 | 001 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| DSB001 | **(Not display)** | **(Not display)** | 01F |
| DSB002 | **(Not display)** | **(Not display)** | 012 |
| DSB003 | **(Not display)** | **(Not display)** | 02E |
| DSB004 | **(Not display)** | **(Not display)** | 000 |
| DSB005 | **(Not display)** | **(Not display)** | 000 |
| DSB006 | **(Not display)** | **(Not display)** | 001 |
| DSB007 | **(Not display)** | **(Not display)** | 011 |
| DSB008 | **(Not display)** | **(Not display)** | 001 |
| DSB009 | **(Not display)** | **(Not display)** | 010 |
| DSB010 | **(Not display)** | **(Not display)** | 001 |
| DSB011 | **(Not display)** | **(Not display)** | 001 |
| DSB012 | **(Not display)** | **(Not display)** | 008 |
| DSB013 | **(Not display)** | **(Not display)** | 012 |
| DSB014 | **(Not display)** | **(Not display)** | 025 |
| DSB015 | **(Not display)** | **(Not display)** | 001 |
| DSB016 | **(Not display)** | **(Not display)** | 001 |
| DSB017 | **(Not display)** | **(Not display)** | 001 |
| DSB018 | **(Not display)** | **(Not display)** | 000 |
| DSB019 | **(Not display)** | **(Not display)** | 001 |
| DSB020 | **(Not display)** | **(Not display)** | 010 |
| DSB021 | **(Not display)** | **(Not display)** | 001 |
| DSB022 | **(Not display)** | **(Not display)** | 00C |
| DSB023 | **(Not display)** | **(Not display)** | 001 |
| DSB024 | **(Not display)** | **(Not display)** | 005 |
| DSB025 | **(Not display)** | **(Not display)** | 001 |
| DSB026 | **(Not display)** | **(Not display)** | 02F |
| DSB027 | **(Not display)** | **(Not display)** | 001 |
| DSB028 | **(Not display)** | **(Not display)** | 007 |
| DSB029 | **(Not display)** | **(Not display)** | 001 |
| DSB030 | **(Not display)** | **(Not display)** | 001 |
| DSB031 | **(Not display)** | **(Not display)** | 023 |
| DSB032 | **(Not display)** | **(Not display)** | 000 |
| DSB033 | **(Not display)** | **(Not display)** | 000 |
| DSB034 | **(Not display)** | **(Not display)** | 008 |
| DSB035 | **(Not display)** | **(Not display)** | 001 |
| DSB036 | **(Not display)** | **(Not display)** | 001 |
| DSB037 | **(Not display)** | **(Not display)** | 023 |
| DSB038 | **(Not display)** | **(Not display)** | 000 |
| DSB039 | **(Not display)** | **(Not display)** | 000 |
| DSB040 | **(Not display)** | **(Not display)** | 008 |
| DSB041 | **(Not display)** | **(Not display)** | 001 |
| DSB042 | **(Not display)** | **(Not display)** | 001 |
| DSB043 | **(Not display)** | **(Not display)** | 001 |
| DSB044 | **(Not display)** | **(Not display)** | 00E |
| DSB045 | **(Not display)** | **(Not display)** | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| DSB046 | **(Not display)** | **(Not display)** | 002 |
| DSB047 | **(Not display)** | **(Not display)** | 005 |
| DSB048 | **(Not display)** | **(Not display)** | 001 |
| DSB049 | **(Not display)** | **(Not display)** | 000 |
| DSB050 | **(Not display)** | **(Not display)** | 001 |
| DSB051 | **(Not display)** | **(Not display)** | 010 |
| DSB052 | **(Not display)** | **(Not display)** | 001 |
| DSB053 | **(Not display)** | **(Not display)** | 001 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| DSC001 | **(Not display)** | 000~00F | 008 |
| DSC002 | **(Not display)** | 000~0FF | 098 |
| DSC003 | **(Not display)** | 000~03F | 01F |
| DSC004 | **(Not display)** | 000~003 | 000 |
| DSC005 | **(Not display)** | 000~0FF | 000 |
| DSC006 | **(Not display)** | 000 / 001 | 000 |
| DSC007 | **(Not display)** | 000 / 001 | 000 |
| DSC008 | **(Not display)** | 000 / 001 | 000 |
| DSC009 | **(Not display)** | 000~00F | 000 |
| DSC010 | **(Not display)** | 000~0FF | 000 |
| DSC011 | **(Not display)** | 000~00F | 00F |
| DSC012 | **(Not display)** | 000~0FF | 0FF |
| DSC013 | **(Not display)** | 000~00F | 001 |
| DSC014 | **(Not display)** | 000~0FF | 0E8 |
| DSC015 | **(Not display)** | 000~00F | 005 |
| DSC016 | **(Not display)** | 000~0FF | 018 |
| DSC017 | **(Not display)** | 000~00F | 000 |
| DSC018 | **(Not display)** | 000~0FF | 000 |
| DSC019 | **(Not display)** | 000~00F | 000 |
| DSC020 | **(Not display)** | 000~0FF | 000 |
| DSC021 | **(Not display)** | 000~00F | 000 |
| DSC022 | **(Not display)** | 000~0FF | 000 |
| DSC023 | **(Not display)** | 000~00F | 000 |
| DSC024 | **(Not display)** | 000~0FF | 000 |
| DSC025 | **(Not display)** | 000~00F | 000 |
| DSC026 | **(Not display)** | 000~0FF | 080 |
| DSC027 | **(Not display)** | 000~00F | 000 |
| DSC028 | **(Not display)** | 000~0FF | 040 |
| DSC029 | **(Not display)** | 000~00F | 005 |
| DSC030 | **(Not display)** | 000~0FF | 040 |
| DSC031 | **(Not display)** | 000~00F | 000 |
| DSC032 | **(Not display)** | 000~0FF | 0C0 |
| DSC033 | **(Not display)** | 000~00F | 000 |
| DSC034 | **(Not display)** | 000~0FF | 080 |
| DSC035 | **(Not display)** | 000~00F | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| DSC036 | **(Not display)** | 000~0FF | 040 |
| DSC037 | **(Not display)** | 000~00F | 005 |
| DSC038 | **(Not display)** | 000~0FF | 040 |
| DSC039 | **(Not display)** | 000~00F | 000 |
| DSC040 | **(Not display)** | 000~0FF | 0C0 |
| DSC041 | **(Not display)** | 000~00F | 004 |
| DSC042 | **(Not display)** | 000~0FF | 075 |
| DSC043 | **(Not display)** | 000 / 001 | 000 |
| DSC044 | **(Not display)** | 000 / 001 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| DSD001 | **(Not display)** | 000~255 | 001 |
| DSD002 | **(Not display)** | 000~255 | 002 |
| DSD003 | **(Not display)** | 000~255 | 001 |
| DSD004 | **(Not display)** | 000~255 | 002 |
| DSD005 | **(Not display)** | 000~255 | 001 |
| DSD006 | **(Not display)** | 000~255 | 002 |
| DSD007 | **(Not display)** | 000~255 | 001 |
| DSD008 | **(Not display)** | 000~255 | 002 |
| DSD009 | **(Not display)** | -128~127 | +001 |
| DSD010 | **(Not display)** | -128~127 | +001 |
| DSD011 | **(Not display)** | -128~127 | +002 |
| DSD012 | **(Not display)** | -128~127 | +002 |
| DSD013 | **(Not display)** | -128~127 | -001 |
| DSD014 | **(Not display)** | -128~127 | +001 |
| DSD015 | **(Not display)** | 000~0FF | 001 |
| DSD016 | **(Not display)** | 000~0FF | 001 |
| DSD017 | **(Not display)** | 000~0FF | 001 |

#### 4.6.7 [0.HDMI] (All fixed)

**NOTE :**

Initial setting value is reference value at following condition.

INPUT SIGNAL : NTSC
ASPECT : FULL
MULTI : SINGLE
VIDEO STATUS : STANDARD
COLOR TEMPERATURE : LOW

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| HDM001 | **(Not display)** | 000 / 001 | 000 |
| HDM002 | **(Not display)** | 000 / 001 | 000 |
| HDM003 | **(Not display)** | 000 / 001 | 000 |
| HDM004 | **(Not display)** | 000 / 001 | 000 |
| HDM005 | **(Not display)** | 000 / 001 | 001 |
| HDM006 | **(Not display)** | 000~003 | 000 |
| HDM007 | **(Not display)** | 000 / 001 | 000 |
| HDM008 | **(Not display)** | 000 / 001 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| HDM009 | **(Not display)** | 000 / 001 | 000 |
| HDM010 | **(Not display)** | 000 / 001 | 000 |
| HDM011 | **(Not display)** | 000 / 001 | 000 |
| HDM012 | **(Not display)** | 000 / 001 | 000 |
| HDM013 | **(Not display)** | 000 / 001 | 001 |
| HDM014 | **(Not display)** | 000 / 001 | 000 |
| HDM015 | **(Not display)** | 000 / 001 | 000 |
| HDM016 | **(Not display)** | 000~255 | 000 |
| HDM017 | **(Not display)** | 000~255 | 000 |
| HDM018 | **(Not display)** | 000~255 | 000 |
| HDM019 | **(Not display)** | 000 / 001 | 001 |
| HDM020 | **(Not display)** | 000~255 | 000 |
| HDM021 | **(Not display)** | 000~007 | 002 |
| HDM022 | **(Not display)** | 000~063 | 006 |
| HDM023 | **(Not display)** | 000~063 | 006 |
| HDM024 | **(Not display)** | 000~063 | 006 |
| HDM025 | **(Not display)** | 000 / 001 | 000 |
| HDM026 | **(Not display)** | 000~003 | 000 |
| HDM027 | **(Not display)** | 000~255 | 212 |
| HDM028 | **(Not display)** | 000~003 | 000 |
| HDM029 | **(Not display)** | 000~255 | 192 |
| HDM030 | **(Not display)** | 000~003 | 000 |
| HDM031 | **(Not display)** | 000~255 | 212 |
| HDM032 | **(Not display)** | 000~003 | 000 |
| HDM033 | **(Not display)** | 000~255 | 191 |
| HDM034 | **(Not display)** | 000~003 | 001 |
| HDM035 | **(Not display)** | 000~255 | 012 |
| HDM036 | **(Not display)** | 000~255 | 026 |
| HDM037 | **(Not display)** | 000~255 | 001 |
| HDM038 | **(Not display)** | 000~255 | 012 |
| HDM039 | **(Not display)** | 000 / 001 | 001 |
| HDM040 | **(Not display)** | 000 / 001 | 001 |
| HDM041 | **(Not display)** | 000 / 001 | 000 |
| HDM042 | **(Not display)** | 000~255 | 001 |
| HDM043 | **(Not display)** | 000~007 | 003 |
| HDM044 | **(Not display)** | 000~003 | 000 |
| HDM045 | **(Not display)** | 000~003 | 000 |
| HDM046 | **(Not display)** | 000 / 001 | 001 |
| HDM047 | **(Not display)** | 000~015 | 007 |
| HDM048 | **(Not display)** | 000~255 | 000 |
| HDM049 | **(Not display)** | 000~255 | 000 |
| HDM050 | **(Not display)** | 000~015 | 000 |
| HDM051 | **(Not display)** | 000 / 001 | 000 |
| HDM052 | **(Not display)** | 000 / 001 | 000 |
| HDM053 | **(Not display)** | 000 / 001 | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| HDM054 | **(Not display)** | 000 / 001 | 000 |
| HDM055 | **(Not display)** | 000 / 001 | 000 |
| HDM056 | **(Not display)** | 000 / 001 | 000 |
| HDM057 | **(Not display)** | 000 / 001 | 001 |
| HDM058 | **(Not display)** | 000 / 001 | 000 |
| HDM059 | **(Not display)** | 000 / 001 | 001 |
| HDM060 | **(Not display)** | 000 / 001 | 000 |
| HDM061 | **(Not display)** | 000 / 001 | 001 |
| HDM062 | **(Not display)** | 000 / 001 | 001 |
| HDM063 | **(Not display)** | 000 / 001 | 000 |
| HDM064 | **(Not display)** | 000 / 001 | 000 |
| HDM065 | **(Not display)** | 000 / 001 | 001 |
| HDM066 | **(Not display)** | 000 / 001 | 000 |
| HDM067 | **(Not display)** | 000 / 001 | 001 |
| HDM068 | **(Not display)** | 000~031 | 004 |
| HDM069 | **(Not display)** | 000 / 001 | 000 |
| HDM070 | **(Not display)** | 000 / 001 | 001 |
| HDM071 | **(Not display)** | 000 / 001 | 000 |
| HDM072 | **(Not display)** | 000 / 001 | 000 |
| HDM073 | **(Not display)** | 000 / 001 | 000 |
| HDM074 | **(Not display)** | 000~031 | 008 |
| HDM075 | **(Not display)** | 000 / 001 | 001 |
| HDM076 | **(Not display)** | 000 / 001 | 001 |
| HDM077 | **(Not display)** | 000 / 001 | 001 |
| HDM078 | **(Not display)** | 000 / 001 | 001 |
| HDM079 | **(Not display)** | 000 / 001 | 001 |
| HDM080 | **(Not display)** | 000 / 001 | 001 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| RHD001 | **(Not display)** | **(Not display)** | 001 |
| RHD002 | **(Not display)** | **(Not display)** | 000 |
| RHD003 | **(Not display)** | **(Not display)** | 042 |
| RHD004 | **(Not display)** | **(Not display)** | 099 |
| RHD005 | **(Not display)** | **(Not display)** | 000 |
| RHD006 | **(Not display)** | **(Not display)** | 000 |
| RHD007 | **(Not display)** | **(Not display)** | 0B7 |
| RHD008 | **(Not display)** | **(Not display)** | 0FF |
| RHD009 | **(Not display)** | **(Not display)** | 0FF |
| RHD010 | **(Not display)** | **(Not display)** | 0FE |
| RHD011 | **(Not display)** | **(Not display)** | 0FF |
| RHD012 | **(Not display)** | **(Not display)** | 000 |
| RHD013 | **(Not display)** | **(Not display)** | 0FB |
| RHD014 | **(Not display)** | **(Not display)** | 0FF |
| RHD015 | **(Not display)** | **(Not display)** | 0E3 |
| RHD016 | **(Not display)** | **(Not display)** | 0FF |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| RHD017 | (Not display) | (Not display) | 0FF |
| RHD018 | (Not display) | (Not display) | 0DE |
| RHD019 | (Not display) | (Not display) | 0FF |
| RHD020 | (Not display) | (Not display) | 0FB |
| RHD021 | (Not display) | (Not display) | 0FE |
| RHD022 | (Not display) | (Not display) | 0DF |
| RHD023 | (Not display) | (Not display) | 0FF |
| RHD024 | (Not display) | (Not display) | 0F7 |
| RHD025 | (Not display) | (Not display) | 0B3 |
| RHD026 | (Not display) | (Not display) | 0E7 |
| RHD027 | (Not display) | (Not display) | 000 |
| RHD028 | (Not display) | (Not display) | 000 |
| RHD029 | (Not display) | (Not display) | 000 |
| RHD030 | (Not display) | (Not display) | 000 |
| RHD031 | (Not display) | (Not display) | 000 |
| RHD032 | (Not display) | (Not display) | 000 |
| RHD033 | (Not display) | (Not display) | 0E0 |
| RHD034 | (Not display) | (Not display) | 001 |
| RHD035 | (Not display) | (Not display) | 023 |
| RHD036 | (Not display) | (Not display) | 00A |
| RHD037 | (Not display) | (Not display) | 000 |
| RHD038 | (Not display) | (Not display) | 000 |
| RHD039 | (Not display) | (Not display) | 000 |
| RHD040 | (Not display) | (Not display) | 000 |
| RHD041 | (Not display) | (Not display) | 000 |
| RHD042 | (Not display) | (Not display) | 020 |
| RHD043 | (Not display) | (Not display) | 000 |
| RHD044 | (Not display) | (Not display) | 000 |
| RHD045 | (Not display) | (Not display) | 000 |
| RHD046 | (Not display) | (Not display) | 000 |
| RHD047 | (Not display) | (Not display) | 00C |
| RHD048 | (Not display) | (Not display) | 000 |
| RHD049 | (Not display) | (Not display) | 068 |
| RHD050 | (Not display) | (Not display) | 03C |
| RHD051 | (Not display) | (Not display) | 001 |
| RHD052 | (Not display) | (Not display) | 008 |
| RHD053 | (Not display) | (Not display) | 004 |
| RHD054 | (Not display) | (Not display) | 000 |
| RHD055 | (Not display) | (Not display) | 000 |
| RHD056 | (Not display) | (Not display) | 000 |
| RHD057 | (Not display) | (Not display) | 000 |
| RHD058 | (Not display) | (Not display) | 000 |
| RHD059 | (Not display) | (Not display) | 00B |
| RHD060 | (Not display) | (Not display) | 002 |
| RHD061 | (Not display) | (Not display) | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| RHD062 | (Not display) | (Not display) | 000 |
| RHD063 | (Not display) | (Not display) | 000 |
| RHD064 | (Not display) | (Not display) | 000 |
| RHD065 | (Not display) | (Not display) | 000 |
| RHD066 | (Not display) | (Not display) | 000 |
| RHD067 | (Not display) | (Not display) | 000 |
| RHD068 | (Not display) | (Not display) | 000 |
| RHD069 | (Not display) | (Not display) | 000 |
| RHD070 | (Not display) | (Not display) | 000 |
| RHD071 | (Not display) | (Not display) | 000 |
| RHD072 | (Not display) | (Not display) | 000 |
| RHD073 | (Not display) | (Not display) | 000 |
| RHD074 | (Not display) | (Not display) | 000 |
| RHD075 | (Not display) | (Not display) | 000 |
| RHD076 | (Not display) | (Not display) | 000 |
| RHD077 | (Not display) | (Not display) | 000 |
| RHD078 | (Not display) | (Not display) | 000 |
| RHD079 | (Not display) | (Not display) | 000 |
| RHD080 | (Not display) | (Not display) | 000 |
| RHD081 | (Not display) | (Not display) | 000 |
| RHD082 | (Not display) | (Not display) | 000 |
| RHD083 | (Not display) | (Not display) | 000 |
| RHD084 | (Not display) | (Not display) | 000 |
| RHD085 | (Not display) | (Not display) | 000 |
| RHD086 | (Not display) | (Not display) | 000 |
| RHD087 | (Not display) | (Not display) | 000 |
| RHD088 | (Not display) | (Not display) | 000 |
| RHD089 | (Not display) | (Not display) | 000 |
| RHD090 | (Not display) | (Not display) | 000 |
| RHD091 | (Not display) | (Not display) | 000 |
| RHD092 | (Not display) | (Not display) | 000 |
| RHD093 | (Not display) | (Not display) | 000 |
| RHD094 | (Not display) | (Not display) | 000 |
| RHD095 | (Not display) | (Not display) | 000 |
| RHD096 | (Not display) | (Not display) | 000 |
| RHD097 | (Not display) | (Not display) | 000 |
| RHD098 | (Not display) | (Not display) | 000 |
| RHD099 | (Not display) | (Not display) | 000 |
| RHD100 | (Not display) | (Not display) | 000 |
| RHD101 | (Not display) | (Not display) | 000 |
| RHD102 | (Not display) | (Not display) | 000 |
| RHD103 | (Not display) | (Not display) | 000 |
| RHD104 | (Not display) | (Not display) | 000 |
| RHD105 | (Not display) | (Not display) | 000 |
| RHD106 | (Not display) | (Not display) | 000 |

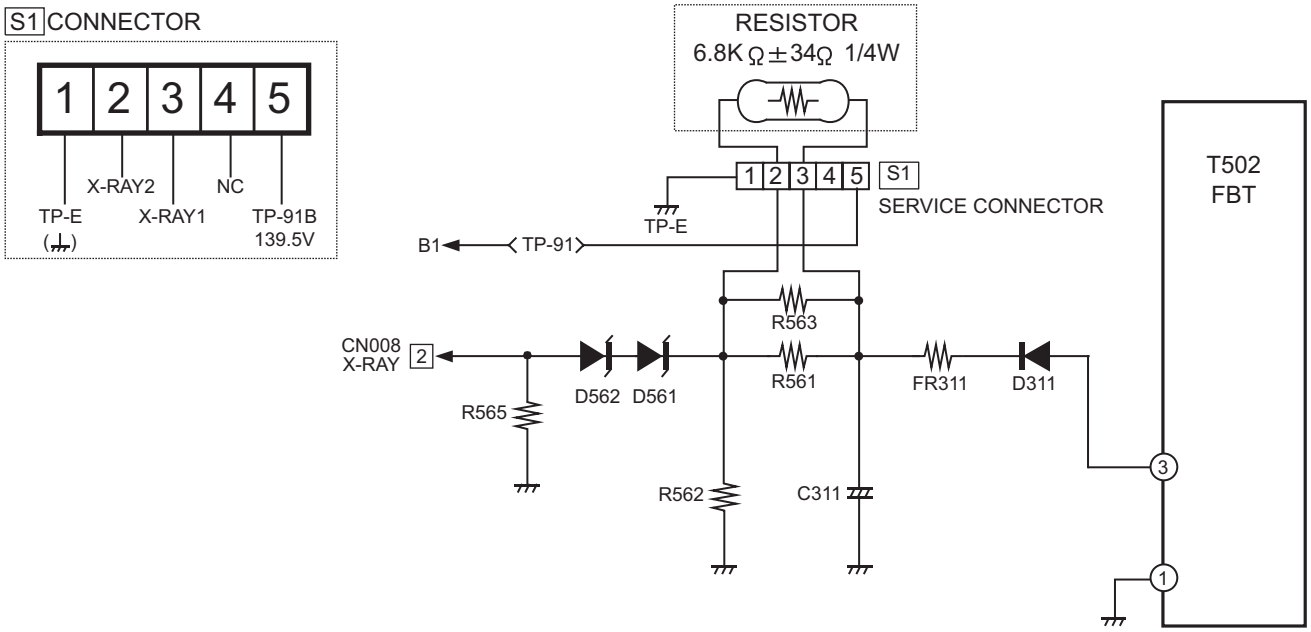
| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| RHD107 | **(Not display)** | **(Not display)** | 000 |
| RHD108 | **(Not display)** | **(Not display)** | 000 |
| RHD109 | **(Not display)** | **(Not display)** | 000 |
| RHD110 | **(Not display)** | **(Not display)** | 000 |
| RHD111 | **(Not display)** | **(Not display)** | 000 |
| RHD112 | **(Not display)** | **(Not display)** | 000 |
| RHD113 | **(Not display)** | **(Not display)** | 000 |
| RHD114 | **(Not display)** | **(Not display)** | 000 |
| RHD115 | **(Not display)** | **(Not display)** | 000 |
| RHD116 | **(Not display)** | **(Not display)** | 000 |
| RHD117 | **(Not display)** | **(Not display)** | 000 |
| RHD118 | **(Not display)** | **(Not display)** | 000 |
| RHD119 | **(Not display)** | **(Not display)** | 000 |
| RHD120 | **(Not display)** | **(Not display)** | 000 |
| RHD121 | **(Not display)** | **(Not display)** | 000 |
| RHD122 | **(Not display)** | **(Not display)** | 000 |
| RHD123 | **(Not display)** | **(Not display)** | 000 |
| RHD124 | **(Not display)** | **(Not display)** | 000 |
| RHD125 | **(Not display)** | **(Not display)** | 000 |
| RHD126 | **(Not display)** | **(Not display)** | 000 |
| RHD127 | **(Not display)** | **(Not display)** | 000 |
| RHD128 | **(Not display)** | **(Not display)** | 000 |
| RHD129 | **(Not display)** | **(Not display)** | 000 |
| RHD130 | **(Not display)** | **(Not display)** | 000 |
| RHD131 | **(Not display)** | **(Not display)** | 000 |
| RHD132 | **(Not display)** | **(Not display)** | 000 |
| RHD133 | **(Not display)** | **(Not display)** | 000 |
| RHD134 | **(Not display)** | **(Not display)** | 000 |
| RHD135 | **(Not display)** | **(Not display)** | 000 |
| RHD136 | **(Not display)** | **(Not display)** | 000 |
| RHD137 | **(Not display)** | **(Not display)** | 000 |
| RHD138 | **(Not display)** | **(Not display)** | 000 |
| RHD139 | **(Not display)** | **(Not display)** | 000 |
| RHD140 | **(Not display)** | **(Not display)** | 000 |
| RHD141 | **(Not display)** | **(Not display)** | 000 |
| RHD142 | **(Not display)** | **(Not display)** | 000 |
| RHD143 | **(Not display)** | **(Not display)** | 000 |
| RHD144 | **(Not display)** | **(Not display)** | 000 |
| RHD145 | **(Not display)** | **(Not display)** | 000 |
| RHD146 | **(Not display)** | **(Not display)** | 000 |
| RHD147 | **(Not display)** | **(Not display)** | 000 |
| RHD148 | **(Not display)** | **(Not display)** | 000 |
| RHD149 | **(Not display)** | **(Not display)** | 000 |
| RHD150 | **(Not display)** | **(Not display)** | 000 |
| RHD151 | **(Not display)** | **(Not display)** | 000 |

| Item No. | Item name | Variable range | Initial setting value |
|---|---|---|---|
| RHD152 | **(Not display)** | **(Not display)** | 000 |
| RHD153 | **(Not display)** | **(Not display)** | 000 |
| RHD154 | **(Not display)** | **(Not display)** | 000 |
| RHD155 | **(Not display)** | **(Not display)** | 000 |
| RHD156 | **(Not display)** | **(Not display)** | 000 |
| RHD157 | **(Not display)** | **(Not display)** | 000 |
| RHD158 | **(Not display)** | **(Not display)** | 000 |
| RHD159 | **(Not display)** | **(Not display)** | 000 |
| RHD160 | **(Not display)** | **(Not display)** | 000 |
| RHD161 | **(Not display)** | **(Not display)** | 000 |
| RHD162 | **(Not display)** | **(Not display)** | 000 |
| RHD163 | **(Not display)** | **(Not display)** | 000 |
| RHD164 | **(Not display)** | **(Not display)** | 000 |
| RHD165 | **(Not display)** | **(Not display)** | 000 |
| RHD166 | **(Not display)** | **(Not display)** | 000 |
| RHD167 | **(Not display)** | **(Not display)** | 000 |
| RHD168 | **(Not display)** | **(Not display)** | 000 |
| RHD169 | **(Not display)** | **(Not display)** | 000 |
| RHD170 | **(Not display)** | **(Not display)** | 000 |

## 4.7 ADJUSTMENT PROCEDURE

### 4.7.1 CHECK ITEMS

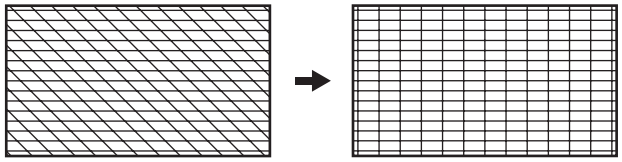
| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **X-RAY PROTECTOR check** | Resistor [6.8kΩ 1/4W ±34Ω] | S1 connector<br>2 pin : X-Ray2<br>3 pin : X-Ray1<br>[DEF/ CONVEGENCE OUT PWB] | | (1) Receive NTSC whole black signal.<br>(2) Connect resistor 6.8kΩ (1/4W, ±34Ω) between 2 pin & 3 pin of the S1 connector.<br>(3) Confirm that the X-RAY protector functions operated. |




| | | | | |
|---|---|---|---|---|
| **HIGH VOLTAGE check** | Signal generator<br><br>HV voltmeter | CRT Anode | | (1) Receive NTSC whole black signal.<br>(2) Connect the HV voltmeter between CRT anode and GND.<br>(3) Check the high voltage DC 31.0kV (+0.15kV / -1.3kv). |

### 4.7.2 HORIZONTAL FREQUENCY ADJUSTMENT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **H. FREQUENCY adjustment** | Signal generator<br><br>Remote control unit | | [1.PICTURE/SOUND]<br>D15 : H. FREQ.<br>D18 : DEF. RST | (1) Receive NTSC crosshatch signal.<br>(2) Select FULL mode with [ASPECT] key.<br>(3) Select 1. PICTURE/SOUND from SERVICE MENU.<br>(4) Select < D18 > (DEF. RST) and change the data 0 to 1 (free run).<br>(5) While observing the screen, adjust the < D15 > (H. FREQ) so that an optimum horizontal synchronization is obtained. (see figure)<br>(6) Press [MUTING] key to memorize the set value.<br>(7) After adjustment, select < D18 > and change the data 1 to 0.<br>(8) Press [MUTING] key to memorize the set value. |

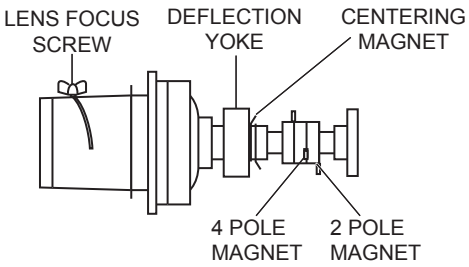


Unoptimum synchronization (Horizontal frequency difference)

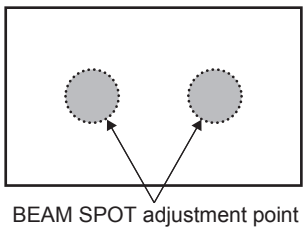
Optimum synchronization (Horizontal frequency optimal condition)

### 4.7.3 FOCUS & BEAM SPOT ADJUSTMENT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **FOCUS & BEAM SPOT adjustment** | Signal generator<br><br>Similar adhesive (Securing adhesive) | | TEST MODE [5.CONVER OFF]<br><br>R Def. yoke (DY)<br>G Def. yoke (DY)<br>B Def. yoke (DY)<br>[PROJECTION UNIT]<br><br>R LENS FOCUS screw<br>G LENS FOCUS screw<br>B LENS FOCUS screw<br>[PROJECTION UNIT (LENS ASS'Y)]<br><br>4 pole magnet<br>2 pole magnet<br>[PROJECTION UNIT (R / G / B CRT neck)]<br><br>R FOCUS VR<br>G FOCUS VR<br>B FOCUS VR<br>[FOCUS PACK] | (1) Receive NTSC crosshatch signal.<br>(2) Select FULL mode with [ASPECT] key.<br>(3) Select DYNAMIC mode with [VIDEO STATUS] key.<br>(4) Select 5.CONVER OFF from TEST MODE menu, then dot pattern is appear.<br>(5) Press [INPUT] key to appear crosshatch pattern.<br>(6) Adjust the R, G and B DY position to mark straight horizontal line.<br>**LENS FOCUS**<br>(1) Makes a red single color.<br>**NOTE:**<br>When making a single color, while adjusting focus of one CRT, put the cap on other lens.<br>(2) By turning the LENS FOCUS screw (in LENS ASS'Y), for optimum focus at the screen center. Check for absence of difference in the peripheral focus. If the peripheral focus is poor, slightly shift the center focus to obtain overall balanced focus.<br>(3) In the same manner, produce green and blue single color and adjust their respective focus.<br>(4) After adjustment, fixes a screw.<br>**NOTE:**<br>There is not a difference in the focus in the top and the bottom, on either side, in the diagonal.<br>When the difference of the focus is big, it removes a main lens, and it puts a washer between the main lens and the coupler and adjusts it.<br>**BEAM SPOT**<br>(5) Change dot pattern with [INPUT] key.<br>(6) Makes a red single color.<br>(7) Turn the R FOCUS VR clockwise from just focus point, to set the dot diameter approx. to Ø30mm.<br>(8) Turn the 4 pole magnet of the projection unit CRT neck and make beam shape round as circle on the position between center and both ends of the screen.<br>(9) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure.<br>(10) Turn the 2 pole magnet of the CRT neck as optimum focus and defocus center should become the same point.<br>(11) In the same manner, adjust for the green and blue single color focus.<br>(12) Secure the 4 and 2 pole magnets with similar adhesive.<br>**CRT FOCUS**<br>(13) Receive NTSC crosshatch signal.<br>(14) Select DYNAMIC mode with [VIDEO STATUS] key.<br>(15) Makes a red single color.<br>(16) Adjust the R FOCUS VR for optimum focus at the position indicated in the figure.<br>(17) In the same manner, adjust for the green and blue single color focus. |




PROJECTION UNIT & LENS ASS'Y
(CRT adjustment location)

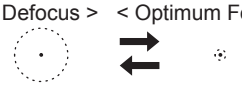


BEAM SPOT adjustment point

round as circle

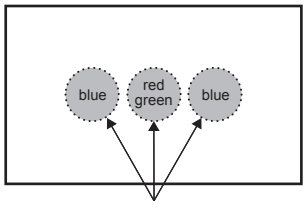
4 pole magnet adjustment

< Defocus > < Optimum Focus >



optimum center and defocus center should be same point

2 pole magnet adjustment




CRT FOCUS adjustment

### 4.7.4 DEFLECTION & CONVERGENCE ADJUSTMENT

- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- At first the adjustment in FULL mode should be done, then the data for the other ASPECT mode is corrected in the respective value at the same time.

#### 4.7.4.1 FLOWCHART OF ADJUSTMENT

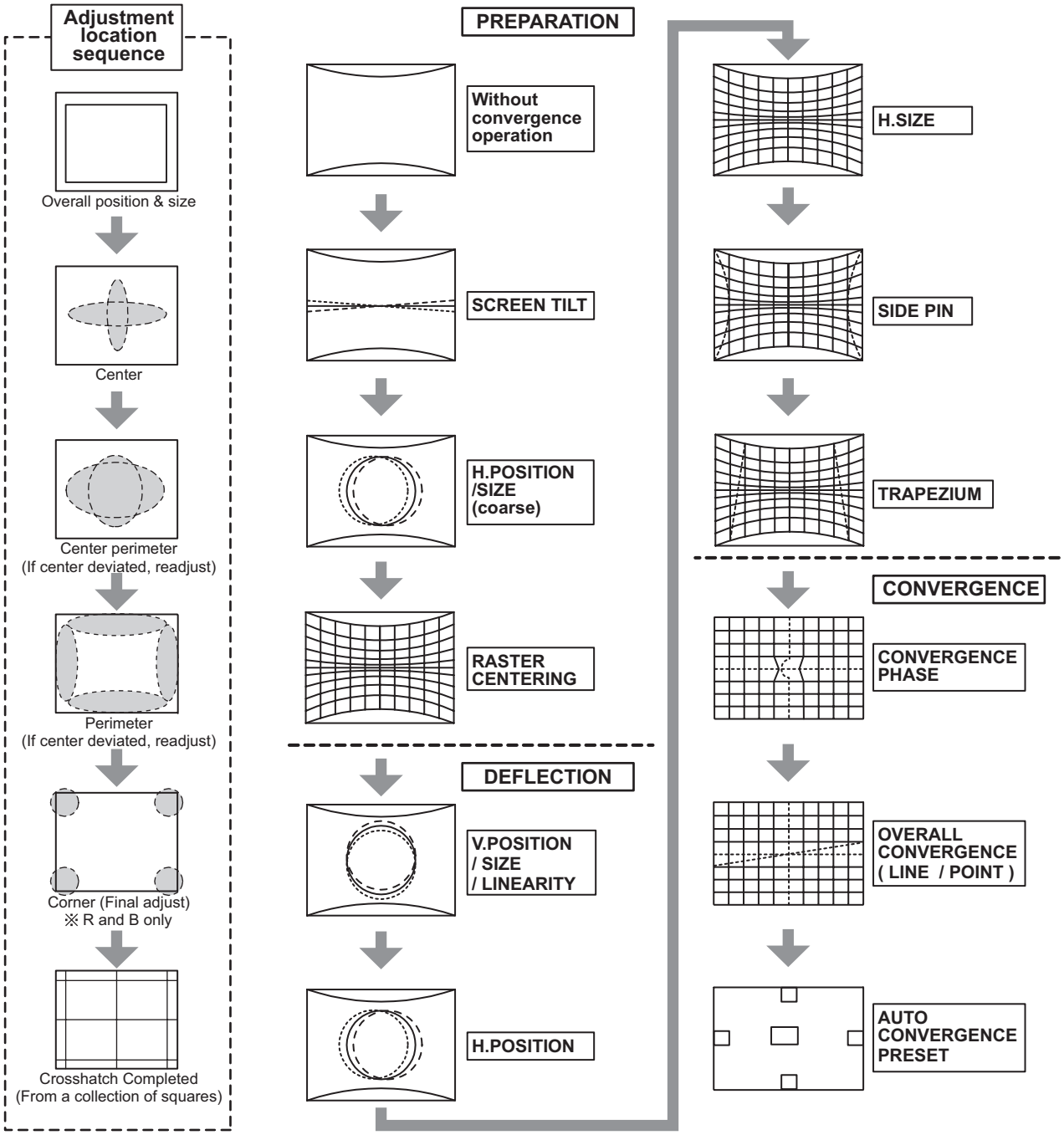
**CAUTION:**

All adjustments of the DEFLECTION circuit for this model should be carried out under the status without convergence operation. To enter the mode without convergence operation, select 1.PICTURE/SOUND and change the data in the setting item F62 from 0 to 1. (For details, please refer to the adjustment of DEFLECTION.)

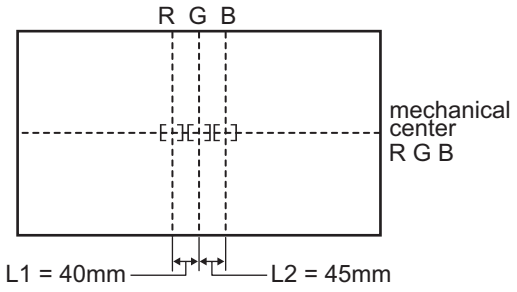
As a result, you can get the screen as shown in bellow figure. Adjust the DEFLECTION circuit in order of the steps indicated by the downward arrows.

**NOTE:**

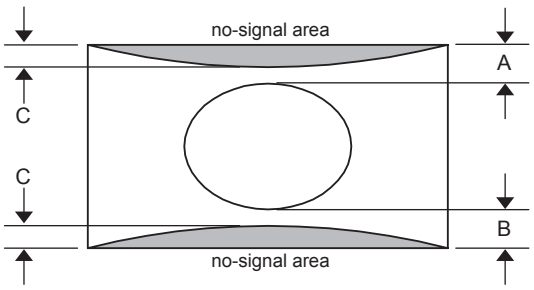
When every adjustment of the DEFLECTION circuit has completed, start the adjustment of convergence.

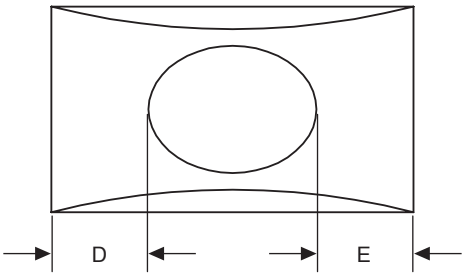
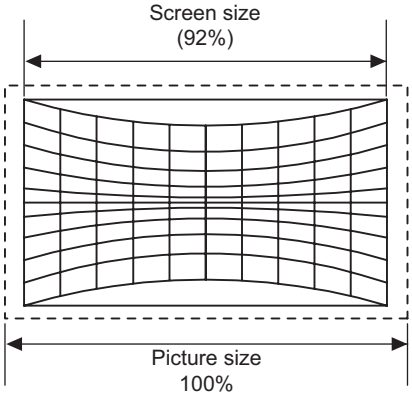


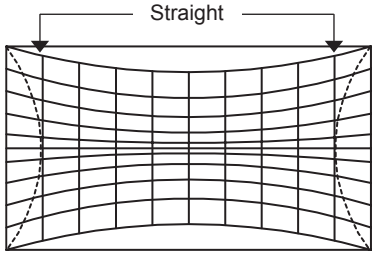
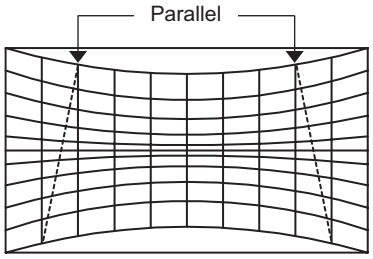
#### 4.7.4.2 PREPARATION

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **SCREEN TILT adjustment** | Signal generator<br><br>Remote control unit | | TEST MODE<br>[5.CONVER OFF]<br><br>G DEF. YOKE<br>R DEF. YOKE<br>B DEF. YOKE<br>[PROJECTION UNIT] | • Confirm correct FOCUS adjustment.<br>(1) Receive NTSC crosshatch signal.<br>(2) Enter TEST MODE [5.CONVER OFF].<br>(3) Select crosshatch pattern with [INPUT] key.<br>(4) Makes a green single color.<br>**NOTE :**<br>When making a single color, while adjusting of one CRT, put the cap on other lens.<br>(5) Temporarily secure the G deflection yoke to the top of the neck and adjust the tilt of the deflection yoke so that the horizontal line at the center becomes flat. After adjustment, fasten the temporal screw.<br>(6) Adjust the tilt of the R and B deflection yokes in the same manner as for green.<br>**NOTE :**<br>Make sure that the adjustment of CRT FOCUS is optimized at the center and at the fringe of the center in turn. If the proper adjustment has not been done, adjust FOCUS VR again. |
| **H. POSITION / SIZE (coarse) adjustment** | Signal generator<br><br>Remote control unit | | [1.PICTURE/SOUND]<br>D03 : H. SIZE<br>D14 : H. CENTER<br>F62 : Without convergence operation | (1) Receive NTSC circle (or crosshatch) signal.<br>(2) Select 1. PICTURE/SOUND from SERVICE MENU.<br>(3) Select < F62 > (Without convergence operation) with [CH +] / [CH -] keys.<br>(4) Change the data 0 to 1, then it makes picture without convergence operation.<br>(5) Makes a green single color.<br>**NOTE :**<br>When making a single color, while adjusting of one CRT, put the cap on other lens.<br>(6) Select < D03 > (H. SIZE) and shorten the level until and perpendicular amplitude of vibration with until the blanking in Left and Right and on either side can be seen.<br>(7) Select < D14 > (H. CENTER) and adjust horizontal position to make the screen center and signal center.<br>(8) Select < D03 > and adjust horizontal size to make screen picture approx. 92% of H-SIZE.<br>(9) Press [MUTING] key to memorize the set value.<br>(10) After adjustment, select < F62 > and change the data 1 to 0.<br>(11) Press [MUTING] key to memorize the set value. |
| **RASTER CENTERING adjustment** | Signal generator<br><br>Remote control unit | | TEST MODE<br>[5. CONVER OFF]<br><br>G CENTERING magnet<br>R CENTERING magnet<br>B CENTERING magnet<br>[DEF. YOKE] | **NOTE :**<br>Carry out after finishing adjustment of H. POSITION and H. SIZE.<br>(1) Receive NTSC crosshatch signal.<br>(2) Enter TEST MODE [5.CONVER OFF].<br>(3) Select crosshatch pattern with [INPUT] key.<br>(4) Adjust G CENTERING magnet to make horizontal and vertical line center as mechanical center of screen.<br>(5) Red and blue color too, are reflected by it.<br>(6) Using R CENTERING magnet and B CENTERING magnet, adjusts for the line of the red(L1) and the blue(L2) to become the position of the left figure.<br>**NOTE :**<br>Vertical center position of the red and blue are the same as green. |
|  | | | | |

#### 4.7.4.3 DEFLECTION ADJUSTMENT

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>V. POSITION / SIZE / LINEARITY adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.PICTURE/SOUND]<br>D01 : V. SIZE<br>D05 : V. LINE<br>D06 : V. CENT<br>F62 : Without convergence operation</td><td rowspan="2">• To memorize every time after finish adjustment on each mode.<br>(1) Receive NTSC circle pattern signal.<br>(2) Select FULL mode with [ASPECT] key.<br>(3) Select 1. PICTURE/SOUND from SERVICE MENU.<br>(4) Select < F62 > (Without convergence operation).<br>(5) Change the data 0 to 1, then it makes picture without convergence operation.<br>(6) Select < D01 > (V. SIZE), < D05 > (V. LINE) and < D06 > (V. CENT).<br>(7) Adjust < D01 >, < D05 > and < D06 > to make A = B (precision ±2mm), and adjust to make C same value as table.<br>(8) Press [MUTING] key to memorize the set value.<br>(9) After adjustment, select < F62 > and change the data 1 to 0.<br>(10) Press [MUTING] key to memorize the set value.<br>NOTE :<br>Do not adjust < D04 > (V. SCORE), if it is different vertical position after adjust vertical linearity, to adjust vertical position.</td></tr>
<tr><td colspan="4"> 

<table>
<tr><th></th><th>AV-48P575</th><th>AV-56P575<br>AV-56P585</th></tr>
<tr><td>C</td><td>35mm</td><td>50mm</td></tr>
</table></td></tr>
<tr><td>H. POSITION adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.PICTURE/SOUND]<br>D14 : H. CENTER<br>F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC circle pattern signal.<br>(2) Select FULL mode with [ASPECT] key.<br>(3) Select 1. PICTURE/SOUND from SERVICE MENU.<br>(4) Select < F62 > (Without convergence operation).<br>(5) Change the data 0 to 1, then it makes picture without convergence operation.<br>(6) Select < D14 > (H. CENTER).<br>(7) Adjust < D14 > to make D = E as shown figure.<br>(8) Press [MUTING] key to memorize the set value.<br>(9) After adjustment, select < F62 > and change the data 1 to 0.<br>(10) Press [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>H. SIZE adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.PICTURE/SOUND]<br>D03 : H. SIZE<br>F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.<br>(2) Select FULL mode with [ASPECT] key.<br>(3) Select 1. PICTURE/SOUND from SERVICE MENU.<br>(4) Select < F62 > (Without convergence operation).<br>(5) Change the data 0 to 1, then it makes picture without convergence operation.<br>(6) Select < D03 > (H. SIZE).<br>(7) Adjust < D03 > to make sure that the vertical screen size of the picture size is 92%.<br>(8) Press [MUTING] key to memorize the set value.<br>(9) After adjustment, select < F62 > and change the data 1 to 0.<br>(10) Press [MUTING] key to memorize the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SIDE PIN adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.PICTURE/SOUND]<br>D02 : EW<br>D08 : BOT.CORN<br>D09 : TOP.CORN<br>F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.<br>(2) Select FULL mode with [ASPECT] key.<br>(3) Select 1. PICTURE/SOUND from SERVICE MENU.<br>(4) Select < F62 > (Without convergence operation).<br>(5) Change the data 0 to 1, then it makes picture without convergence operation.<br>(6) Select < D02 > (EW), < D08 > (BOT.CORN) and < D09 > (TOP.CORN).<br>(7) Adjust < D02 >, < D08 >, < D09 > to make the vertical lines at the left and right edges of the screen straight.<br>(8) Press [MUTING] key to memorize the set value.<br>(9) After adjustment, select < F62 > and change the data 1 to 0.<br>(10) Press [MUTING] key to memorize the set value.<br>NOTE :<br>After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.</td></tr>
<tr><td colspan="3"> 
</td></tr>
<tr><td>TRAPEZIUM adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.PICTURE/SOUND]<br>D07 : EW.TRAP<br>F62 : Without convergence operation</td><td rowspan="2">(1) Receive NTSC crosshatch signal.<br>(2) Select FULL mode with [ASPECT] key.<br>(3) Select 1. PICTURE/SOUND from SERVICE MENU.<br>(4) Select < F62 > (Without convergence operation).<br>(5) Change the data 0 to 1, then it makes picture without convergence operation.<br>(6) Select < D07 > (EW.TRAP).<br>(7) Adjust < D07 > to bring the vertical lines at the right and left edges of the screen parallel.<br>(8) Press [MUTING] key to memorize the set value.<br>(9) After adjustment, select < F62 > and change the data 1 to 0.<br>(10) Press [MUTING] key to memorize the set value.<br>NOTE :<br>After making adjustments, confirm that the horizontal position is properly adjusted. If the horizontal is out of alignment, readjust it. Adjust H. SIZE & SIDE PIN reparably.</td></tr>
<tr><td colspan="3"> 
</td></tr>
</table>

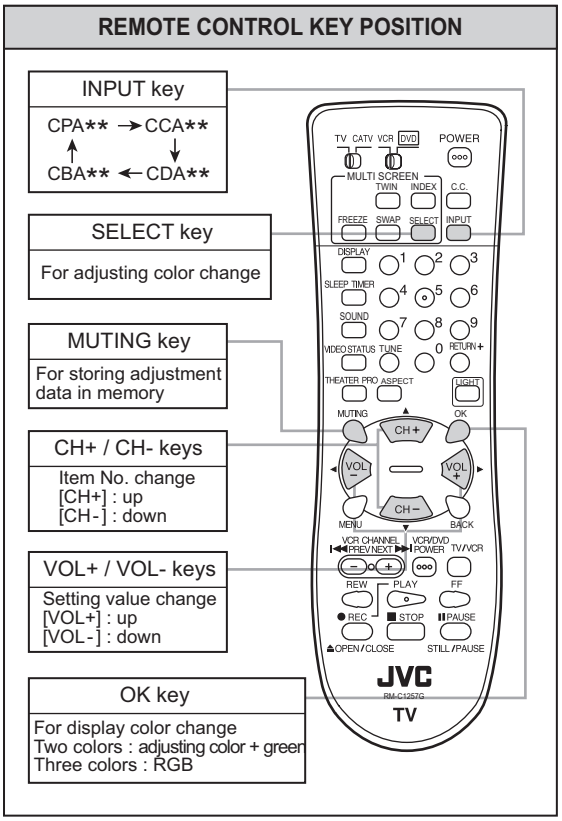
#### 4.7.4.4 CONVERGENCE ADJUSTMENT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **CONVERGENCE PHASE [check]** | Signal generator<br><br>Remote control unit | | [6.CONVER A]<br>CPA04 : TPOV OFST<br>CPA05 : FINEP<br>CPA06 : STARTLIN A<br>CPA07 : STARTLIN B<br>CPA08 : CAU H2<br>CPA09 : COARS OFST<br>CPA10 : V1OFSTA<br>CPA11 : V1OFSTB | **NOTE:**<br>Be sure to make it the value of Table1. Supposing data differs, correct to the value of Table1.<br>When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly.<br>(1) Receive NTSC crosshatch signal.<br>(2) Select 6.CONVER A from SERVICE MENU.<br>(3) Select < CPA > item with [INPUT] key.<br>(4) Check and set data that < CPA04 > ~ < CPA11> are same value as table1.<br>(5) Press [MUTING] key to memorize the set values. |

| Item No. | Item name | Initial setting value |
|---|---|---|
| CPA04 | TPOV OFST | 0 |
| CPA05 | FINEP | 1245 |
| CPA06 | STARTLIN A | 56 |
| CPA07 | STARTLIN B | -1 |
| CPA08 | CAU H2 | 0 |
| CPA09 | COARS OFST | -50 |
| CPA10 | V1OFSTA | 7 |
| CPA11 | V1OFSTB | 0 |

Table-1

**REMOTE CONTROL KEY POSITION**



| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **OVERALL CONVERGENCE (LINE) [check]** | Signal generator<br><br>Remote control unit | | [ 6.CONVER A ]<br>CPA01 : FINE OFF<br>CCA01 : H CENT<br>CCA02 : H SIZE<br>CCA03 : H LIN<br>CCA04 : H SKEW<br>CCA05 : EW PIN<br>CCA06 : H BOW<br>CCA07 : V CENT<br>CCA08 : V SKEW<br>CCA09 : V SIZE<br>CCA10 : V LIN<br>CCA11 : V KEY<br>CCA12 :TB PIN | **NOTE:**<br>Be sure to make it the value of Table2. Supposing data differs, correct to the value of Table2.<br>When data is corrected (when the [MUTING] key is pushed), it is necessary to perform an AUTO CONVERGENCE PRESET, after a convergence adjusts exactly.<br>(1) Receive NTSC crosshatch signal.<br>(2) Select 6.CONVER A from SERVICE MENU.<br>(3) Select < CPA01 > (FINE OFF).<br>(4) Change the data 0 to1. (Clear the fine adjustment data)<br>(5) Select < CCA > item with [INPUT] key. Then a green crosshatch pattern for adjustment will be displayed on the screen.<br>(6) Check and set data < CCA01 > ~ < CCA12 > are same value as table2.<br>(7) Press [SELECT] key to change the adjusting color to red and blue.<br>**NOTE:**<br>Press [OK] key to change the display colors. Whenever [OK] key is pressed, the menu will sequence in this order: "Two colors (adjusting color+green)" → "Three colors (RGB)"<br>(8) Press [MUTING] key to memorize the set value.<br>(9) Select < CPA01 >.<br>(10) Change the < CPA01 > 1 to 0.<br>(11) Press [MUTING] key to memorize the set values. |

| Item No. | Item name | Initial setting value | | |
|---|---|---|---|---|
| | | GREEN | RED | BLUE |
| CCA01 | H CENT | 0 | -246 | 395 |
| CCA02 | H SIZE | -27 | -54 | 16 |
| CCA03 | H LIN | -96 | 240 | -348 |
| CCA04 | H SKEW | 0 | 0 | -10 |
| CCA05 | EW PIN | -91 | -26 | -17 |
| CCA06 | H BOW | 0 | -30 | 21 |
| CCA07 | V CENT | -19 | 8 | 12 |
| CCA08 | V SKEW | 0 | 0 | 4 |
| CCA09 | V SIZE | -108 | -77 | -105 |
| CCA10 | V. LIN | 15 | 12 | 8 |
| CCA11 | V. KEY | 0 | 114 | -77 |
| CCA12 | TB PIN | 280 | 153 | 230 |

Table-2

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **OVERALL CONVERGENCE (POINT) adjustment** | Signal generator<br><br>Remote control unit | | [ 7.CONVER B ] | **NOTE:**<br>Perform this adjustment after performing OVERALL CONVERGENCE (LINE) check.<br>It adjusts displaying and checking adjustment data by the [DISPLAY] key. Adjust in order of Area A, Area B, Area C and Area D.<br>(1) Receive NTSC crosshatch signal.<br>(2) Select 7.CONVER B from SERVICE MENU. Then appear green crosshatch pattern for adjustment. (See Fig.1)<br>(3) Press [DISPLAY] key for displaying and checking adjustment data.<br>(4) Press [ 2 ] / [ 4 ] / [ 5 ] / [ 6 ] / [ 8 ] keys respectively, move the cursor to the adjusting point.<br>(5) Press [CH+] / [CH-] / [VOL+] / [VOL-] keys, adjust the position of the adjusting point so that it is located at the place as shown in Fig.2.<br>(6) Adjust Area A.<br>(7) Adjust Area B.<br>(8) Adjust Area C.<br>(9) Adjust Area D. It adjusts toward an outside from the inner side of a screen. (e.g. H#3 > H#2 > ---)<br>H#0 is fixed data with the value inputted by adjustment of Area C. When the point of H#0 needs to be adjusted, adjusts the data of H#1 and H#2.<br>If the data of H#1 adjusts H#0, H#2 will move, the data of H#2 adjusts H#1 and H#2. It repeats if needed. (See Fig.3)<br>(10) Press [SELECT] key to select the red and blue crosshatch patterns, respectively, and make convergence adjustments so that they align with the adjusting points of the green crosshatch pattern (reference color).<br>(11) Press [OK] key to change the display colors to three colors from two colors (adjusting color + green) and make sure that the convergence has been aligned with each other.<br>(12) Press [MUTING] key to memorize the set values.<br>(13) Perform an AUTO CONVERGENCE PRESET.<br>Be sure, after a convergence adjusts exactly.<br>Refer to page 52. |

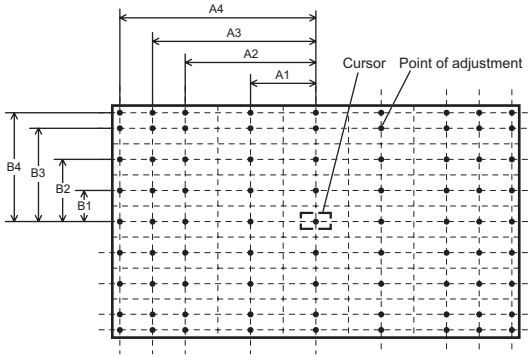



Fig.1

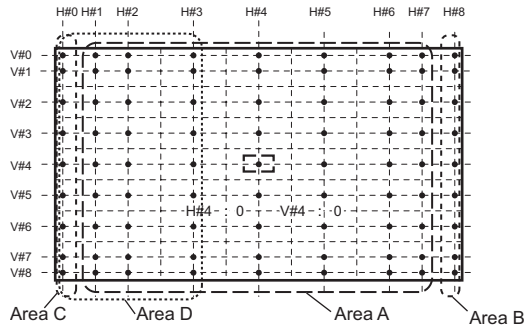
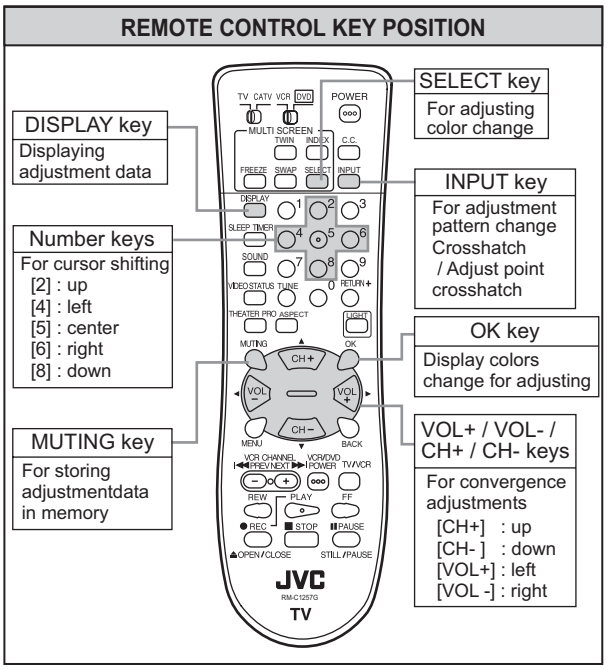



Fig.2

| | A1 | A2 | A3 | A4 | B1 | B2 | B3 | B3 |
|---|---|---|---|---|---|---|---|---|
| 48" model | 174 | 348 | 435 | 522 | 82 | 164 | 246 | 287 |
| 56" model | 204 | 407 | 509 | 611 | 96 | 192 | 287 | 335 |

SPAN TABLE (mm)

**REMOTE CONTROL KEY POSITION**



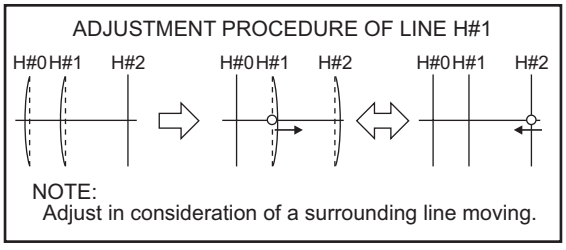
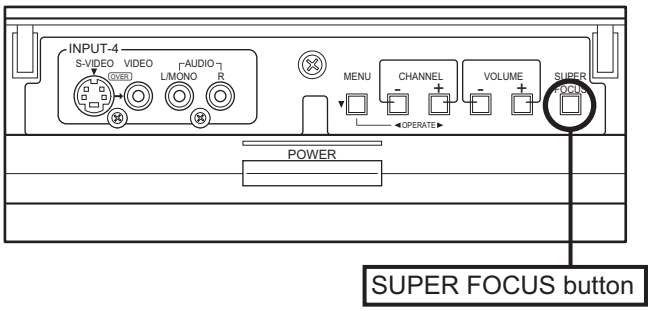
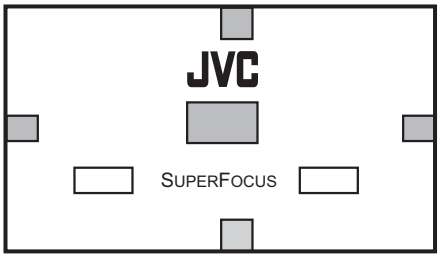




Fig.3

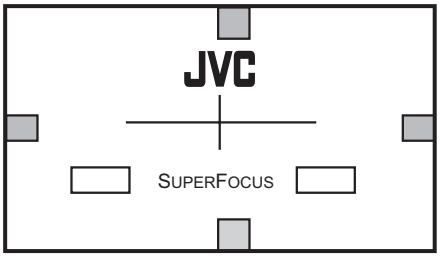
| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **AUTO CONVERGENCE (SUPER FOCUS) setting** | Signal generator<br><br>Remote control unit | | | |

**FRONT CONTROL**

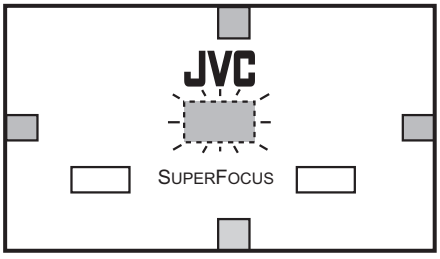



PRESET IS OPERATING




SUPER FOCUS IS OPERATING




SENSOR IS NOT NORMAL

**AUTO CONVERGENCE (SUPER FOCUS) PRESET**

AUTO CONVERGENCE PRESET is a work in which you store (memorize) an optimum reference CONVERGENCE in SUPER FOCUS operation in the unit. At the factory, this PRESET has been carried out and memorized in the unit after adjusting CONVERGENCE. However, PRESET will be invalid when the servicing is carried out in accordance with the following conditions. In this case, it is necessary to execute PRESET again.

**CONDITIONS THAT RESET IS EXECUTED**

(1) When the data is memorized with the [MUTING] key on SERVICE MENU 6.CONVER A regardless of the change of data (CPA, CCA, CDA and CBA).
(2) When the data is memorized with the [MUTING] key on SERVICE MENU 7.CONVER B regardless of CONVERGENCE adjustment.

**NOTE FOR PRESET**

- It is required that you must execute PRESET when CONVERGENCE has been properly adjusted because the CONVERGENCE will be a reference to SUPER FOCUS.
- When SENSOR around the SCREEN is replaced to new one, it is also necessary to execute PRESET. In this case, perform RESET according to the steps 1 or 2, then execute PRESET again.

**HOW TO EXECUTE PRESET**

When executing SUPER FOCUS with AUTO on CONVERGENCE of the USER MENU or SUPER FOCUS button on the FRONT CONTROL, you can execute PRESET automatically when RESET is applied. In this case, a dimmed block will be displayed in the center of the screen. (When SUPER FOCUS is operated, a crossshape pattern will be displayed in the center of the screen.)

**NOTE :**

When a unicolor block in the center of the screen flashes on and off at PRESET or SUPER FOCUS, it means that the input from SENSOR is not normal (input level is too low). In this case, make sure that SENSOR receives enough light from the backside.

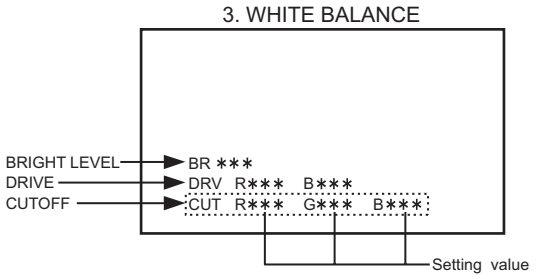
- **NOT RECEIVES ENOUGH LIGHT**
  It is necessary to readjust RASTER CENTER, H/V SIZE and CONVERGENCE.
- **RECEIVES ENOUGH LIGHT**
  Failure of the sensor or defects of detection route (circuit).

### 4.7.5 VIDEO ADJUSTMENT

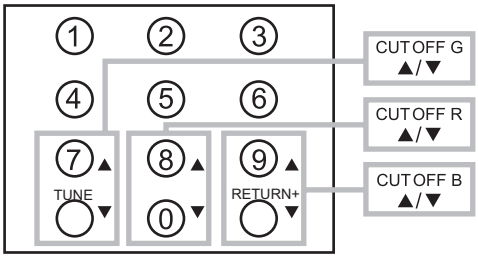
| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **RGB CUTOFF adjustment** | Signal generator<br><br>Oscilloscope<br><br>Remote control unit | TP-R [R CRT SOCKET PWB]<br>TP-G [G CRT SOCKET PWB]<br>TP-B [B CRT SOCKET PWB] | [1.PICTURE/SOUND]<br>S14: CUTOF R<br>S16: CUTOF G<br>S18: CUTOF B<br><br>R SCREEN VR<br>G SCREEN VR<br>B SCREEN VR<br>[FOCUS PACK] | (1) Receive NTSC signal (include 0% or -3% black).<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Select FULL mode with [ASPECT] key.<br>(4) Set the COLOR TEMP is LOW mode.<br>(5) Connect the oscilloscope to TP-G.<br>(6) Select 1.PICTURE/SOUND from SERVICE MENU.<br>(7) Select < S03 > (BRIGHT).<br>(8) Set < S03 > to 127.<br>(9) Select < S16 > (CUTOF G).<br>(10) Adjust < S16 > so that the 0% or -3% signal portion and the 100% signal portion of both sides may become the 180V.<br>(11) Press [MUTING] key to memorize the set value.<br>(12) Receive 480i component signal (include 0% or -3% black).<br>(13) Select < S03 >.<br>(14) Set < S03 > to 127.<br>(15) Select < S16 >.<br>(16) Set < S16 > same as memorized NTSC value.<br>(17) Select STANDARD mode with [VIDEO STATUS] key.<br>(18) Select FULL mode with [ASPECT] key.<br>(19) The COLOR TEMP set at the LOW mode.<br>(20) Set 1080i component signal (include 0% or -3% black).<br>(21) Select < S03 >.<br>(22) Set < S03 > to 127.<br>(23) Select < S16 >.<br>(24) Set < S16 > same as memorized NTSC value.<br>(25) Connect the oscilloscope to TP-R and < S14 > (CUTOF R) adjust same manner as for 6. ~ 13. above.<br>(26) Connect the oscilloscope to TP-B and < S18 > (CUTOF B) adjust same manner as for 6. ~ 13. above.<br>(27) Adjust SCREEN VR for RGB respectively, so that the black (3%) becomes faintly whitish.<br>**NOTE :**<br>If it is difficult to adjust the SCREEN precisely, adjust the SCREEN VR for one of three colors while masking other two colors. |

| Item No. | Item name | Initial setting value |
|---|---|---|
| S03 | BRIGHT | 127 |
| S14 | CUTOF R | 185 |
| S16 | CUTOF G | 185 |
| S18 | CUTOF B | 185 |
| S20 | CUTOFSWR | 001 |
| S21 | CUTOFSWG | 001 |
| S22 | CUTOFSWB | 001 |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **WHITE BALANCE (LOW LIGHT) adjustment** | Signal generator<br><br>Remote control unit | | [3.WHITE BALANCE]<br>BR<br>CUT R<br>CUT B | **NOTE :**<br>Before starting the adjustment, warm up the unit for more than 30 minutes.<br>(1) Receive NTSC gray scale signal (include 0% black).<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Set the COLOR TEMP is LOW mode.<br>(4) Select 3.WHITE BALANCE from SERVICE MENU.<br>(5) Select < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B >.<br>(6) Set the initial setting value.<br>(7) Adjust < BR > so that the LOW-LIGHT should be visible.<br>(8) Adjust using [ 8 ] / [ 0 ] keys and [ 9 ] / [ RETURN + ] keys so that a black portion may become black.<br>(9) Press [MUTING] key to memorize the set values.<br>(10) Input 480i component signal (include 0% black) from COMPONENT VIDEO terminal.<br>(11) Repeat steps 5 ~ 9 above.<br>(12) Input 1080i component signal (include 0% black) from COMPONENT VIDEO terminal.<br>(13) Repeat steps 5 ~ 9 above.<br>**NOTE:**<br>• 3. WHITE BALANCE < BR >, < DRV R >, < DRV B >, < CUT R >, < CUT G > and < CUT B > are equal to 1. PICTURE/SOUND < S03 >, < S10 >, < S12 >, < S14 >, < S16 > and < S18 >.<br>• 3. WHITE BALANCE < BR >, < DRV R > and < DRV B > are same value as 1. PICTURE/SOUND < S03 >, < S10 > and < S12 >.<br>• 3. WHITE BALANCE < CUT R >, < CUT G > and < CUT B > are same value as 1. PICTURE/SOUND < S14 >, < S16 > and < S18 > plus 30.<br>• For example, 3.WHITE BALANCE < BR > value was changed from 127 to 120, 1.PICTURE/SOUND < S03 > value was changed from 127 to 120 automatically. 3. WHITE BALANCE < CUT R > value was changed from 215 to 210, 1.PICTURE/SOUND < S03 > value was changed from 185 to 180 automatically. |
| **WHITE BALANCE (HIGH LIGHT) adjustment** | Signal generator<br><br>Remote control unit | | [1.PICTURE/SOUND]<br>S10: DRIVE R<br>S12: DRIVE B<br><br>[3.WHITE BALANCE]<br>DRV R<br>DRV B | (1) Receive NTSC grayscale signal (include 75% white).<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Set the COLOR TEMP is LOW mode.<br>(4) Select 1.PICTER/SOUND from SERVICE MENU.<br>(5) Select < S10 > (DRIVE R) and < S12 > (DRIVE B).<br>(6) Set the initial setting value.<br>(7) Select 3.WHITE BALANCE from SERVICE MENU.<br>(8) Adjust using [ 2 ] / [ 5 ]] keys and [ 3 ] / [ 6 ] keys so that the natural white should be visible on 75% white.<br>(9) Press [MUTING] key to memorize the set value.<br>(10) Input 480i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal.<br>(11) Repeat steps 4 ~ 9 above.<br>(12) Input 1080i component grayscale signal (include 75% white) from COMPONENT VIDEO terminal.<br>(13) Repeat steps 4 ~ 9 above. |



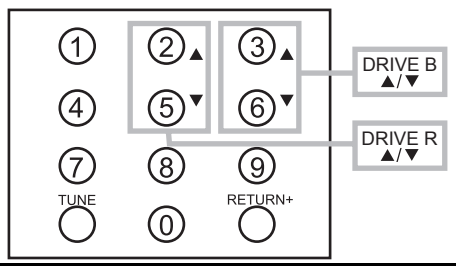

REMOTE CONTROL UNIT




| 1.PICTURE/SOUND | | | 3.WHITE BALANCE | |
|---|---|---|---|---|
| Item No. | Item name | Initial setting value | Item name | Initial setting value |
| S03 | BRIGHT | 127 | BR | 127 |
| S10 | DRIVE R | 085 | DRV R | 085 |
| S12 | DRIVE B | 085 | DRV B | 085 |
| S14 | CUTOF R | 185 | CUT R | 215 |
| S16 | CUTOF G | 185 | CUT G | 215 |
| S18 | CUTOF B | 185 | CUT B | 215 |

| Item \ Signal | Initial setting value | | |
|---|---|---|---|
| | NTSC | 480i | 1080i |
| S10 | 089 | 052 | 057 |
| S12 | 108 | 107 | 109 |

REMOTE CONTROL UNIT



<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB BRIGHT adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.PICTURE/SOUND]<br>S03: BRIGHT</td><td rowspan="2">(1) Receive NTSC signal (include 0% or -2% black).<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Set the COLOR TEMP is LOW mode.<br>(4) Select 1.PICTURE/SOUND from SERVICE MENU.<br>(5) Select < S03 > (BRIGHT).<br>(6) Set the initial setting value. (See Table 1)<br>(7) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.<br>(8) Press [MUTING] key to memorize the set values.<br>(9) Select THEATER mode with [VIDEO STATUS] key.<br>(10) Repeat steps 4 ~ 8 above.<br>(11) Input 480i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal.<br>(12) Repeat steps 2 ~ 10 above.<br>(13) Input 1080i component signal (include 0% or -2% black) from COMPONENT VIDEO terminal.<br>(14) Repeat steps 2 ~ 10 above.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Signal / Item</th><th colspan="6">Setting value</th></tr>
<tr><th></th><th colspan="2">NTSC</th><th colspan="2">480i</th><th colspan="2">1080i</th></tr>
<tr><td>S03</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td></tr>
<tr><td></td><td>118</td><td>118</td><td>118</td><td>118</td><td>118</td><td>118</td></tr>
</table>
Table-1
</td></tr>
<tr><td>SUB CONTRAST adjustment (1)</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[1.PICTURE/SOUND]<br>S04: CONTRAST</td><td rowspan="2">[ Method of adjustment without measuring instrument ]<br>(1) Receive NTSC glay scale signal.<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Set the COLOR TEMP is LOW mode.<br>(4) Select 1.PICTURE/SOUND from SERVICE MENU.<br>(5) Select < S04 > (CONTRAST).<br>(6) Set the initial setting value. (See Table 2)<br>(7) If the contrast is not the best with the initial setting value, make fine adjustment of the < S04 > until you get the optimum contrast.<br>(8) Press [MUTING] key to memorize the set values.<br>(9) Select THEATER mode with [VIDEO STATUS] key.<br>(10) Repeat steps 4 ~ 8 above.<br>(11) Input 480i component black & white signal from COMPONENT VIDEO terminal.<br>(12) Repeat steps 2 ~ 10 above.<br>(13) Receive 1080i component black & white signal from COMPONENT VIDEO terminal.<br>(14) Repeat steps 2 ~ 10 above.</td></tr>
<tr><td colspan="4">
<table>
<tr><th>Signal / Item</th><th colspan="6">Setting value</th></tr>
<tr><th></th><th colspan="2">NTSC</th><th colspan="2">480i</th><th colspan="2">1080i</th></tr>
<tr><td>S04</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td><td>STANDARD</td><td>THEATER</td></tr>
<tr><td></td><td>054</td><td>054</td><td>054</td><td>054</td><td>054</td><td>054</td></tr>
</table>
Table-2
</td></tr>
<tr><td>SUB CONTRAST adjustment (2)</td><td>Signal generator<br><br>Oscilloscope<br><br>Remote control unit</td><td>TP-G<br>[G CRT SOCKET PWB]</td><td>[1.PICTURE/SOUND]<br>S04: CONTRAST</td><td rowspan="2">[ Method of adjustment with measuring instrument ]<br>(1) Receive NTSC gray scale signal (include -3%).<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Select FULL mode with [ASPECT] key.<br>(4) Set the COLOR TEMP is LOW mode.<br>(5) Connect the oscilloscope to TP-G.<br>(6) Select 1.PICTURE/SOUND from SERVICE MENU.<br>(7) Select < S04 > (CONTRAST).<br>(8) Adjust < S04 > so that the -3% signal portion and the 100% signal portion of both sides may become the follow table voltage.<br>(9) Press [MUTING] key to memorize the set value.<br>(10) Select THEATER mode with [VIDEO STATUS] key.<br>(11) Repeat steps 8 ~ 9 above.<br>(12) Receive 480i component gray scale signal (include -3%).<br>(13) Repeat steps 2 ~ 11 above.<br>(14) Set 1080i component gray scale signal (include -3%).<br>(15) Repeat steps 2 ~ 11 above.</td></tr>
<tr><td colspan="4">
SETTING VOLTAGE [V(p-p)]
<table>
<tr><th>Signal / Video Status</th><th>NTSC</th><th>480i</th><th>1080i</th></tr>
<tr><td>STANDARD</td><td>68</td><td>80</td><td>80</td></tr>
<tr><td>THEATER</td><td>60</td><td>65</td><td>60</td></tr>
</table>
Table-3
</td></tr>
</table>

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **SUB COLOR / SUB TINT / B-Y GAIN adjustment (1)** | Signal generator<br><br>Remote control unit | TP-R<br>[R CRT SOCKET PWB]<br>TP-B<br>[B CRT SOCKET PWB]<br>TP-E (GND) | [1.PICTURE/SOUND]<br>S01 : COLOR<br>S02 : TINT<br>S07 : B-Y | **[ Method of adjustment without measuring instrument ]**<br>(1) Receive NTSC color bar signal (include 75% white).<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Select 1.PICTURE/SOUND from SERVICE MENU.<br>(4) Select < S01 > (COLOR) and < S02 > (TINT).<br>(5) Set the initial setting value.<br>(6) If the color or tint is not the best with the initial setting values, make fine adjustment until you get the best color or the best tint.<br>(7) Select < S07 > (B-Y).<br>(8) Set the initial setting value.<br>(9) If the color bar is not clearly with the initial setting value, make fine adjustment until you get the clearly color bar.<br>(10) Press [MUTING] key to memorize the set value.<br>(11) Select THEATER mode with [VIDEO STATUS] key.<br>(12) Repeat steps 3 ~ 10 above.<br>(13) Input 480i component color bar signal from COMPONENT VIDEO terminal.<br>(14) Repeat steps 2 ~ 12 above.<br>(15) Input 480p component color bar signal from COMPONENT VIDEO terminal.<br>(16) Repeat steps 2 ~ 12 above.<br>(17) Input 1080i component color bar signal from COMPONENT VIDEO terminal.<br>(18) Repeat steps 2 ~ 12 above. |

| Signal / Item | Initial setting value | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | NTSC | | 480i | | 480p | | 720p / 1080i | |
| | STANDARD | THEATER | STANDARD | THEATER | STANDARD | THEATER | STANDARD | THEATER |
| S01 | 096 | 083 | 085 | 075 | 079 | 076 | 074 | 071 |
| S02 | 060 | 050 | 062 | 068 | 059 | 066 | 065 | 065 |
| S07 | 017 | 027 | 012 | 024 | 013 | 018 | 019 | 020 |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **SUB COLOR / SUB TINT / B-Y GAIN adjustment (2)** | Signal generator<br><br>Oscilloscope<br><br>Remote control unit | TP-R<br>[R CRT SOCKET PWB]<br>TP-B<br>[B CRT SOCKET PWB]<br>TP-E (GND) | [1.PICTURE/SOUND]<br>S01 : COLOR<br>S02 : TINT<br>S07 : B-Y | **[ Method of adjustment with measuring instrument ]**<br>(1) Receive NTSC color bar signal (include 75% white).<br>(2) Select STANDARD mode with [VIDEO STATUS] key.<br>(3) Connect the oscilloscope to TP-R.<br>(4) Select 1.PICTURE/SOUND from SERVICE MENU.<br>(5) Select < S01 > (COLOR) and < S02 > (TINT).<br>(6) Adjust < S01 > and < S02 > to be following setting value A[V]. (Refer to the bellow table)<br>(7) Press [MUTING] key to memorize the set value.<br>(8) Select THEATER mode with [VIDEO STATUS] key.<br>(9) Adjust < S01 > and < S02 > to be following setting value B[V] same as above. (Refer to the table)<br>(10) Press [MUTING] key to memorize the set value.<br>(11) Select STANDARD mode with [VIDEO STATUS] key.<br>(12) Connect the oscilloscope to TP-B.<br>(13) Adjust < S07 > (B-Y) to be setting value C[V]. (Refer to the table)<br>(14) Press [MUTING] key to memorize the set value.<br>(15) Select THEATER mode with [VIDEO STATUS] key.<br>(16) Adjust < S07 > to be setting value D[V]. (Refer to the table)<br>(17) Press [MUTING] key to memorize the set value.<br>(18) Confirm that LOW-LIGHT is not different after adjusting. If it is green or magenta, to adjust LOW-LIGHT again. If adjust again, to set offset value again.<br>(19) Input 480i component color bar from COMPONENT VIDEO terminal.<br>(20) Repeat steps 2 ~ 18 above.<br>(21) Input 480p component color bar from COMPONENT VIDEO terminal.<br>(22) Repeat steps 2 ~ 18 above.<br>(23) Input 1080i component color bar from COMPONENT VIDEO terminal.<br>(24) Repeat steps 2 ~ 18 above. |

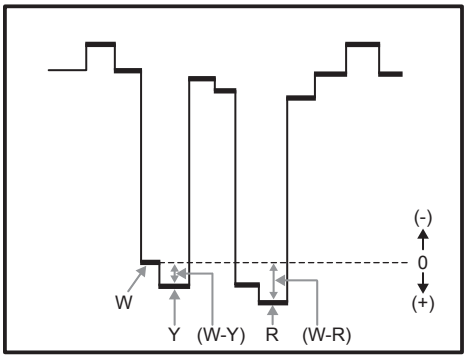



Fig.1

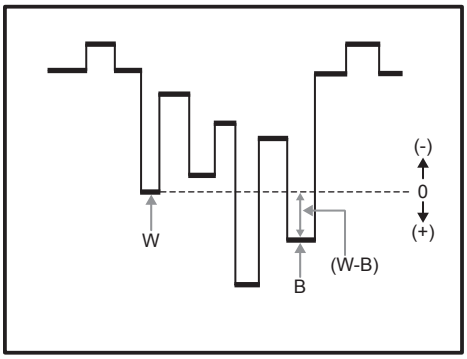


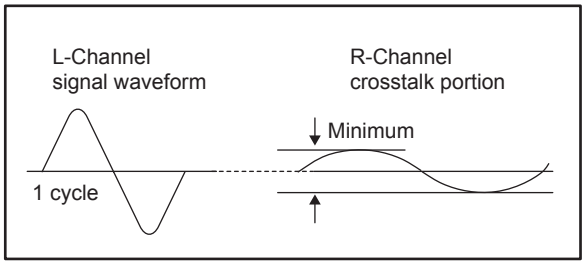

Fig.2

| Setting item / Signal | Setting value [V] | | | | | |
|---|---|---|---|---|---|---|
| | A | | B | | C | D |
| | STANDARD | | THEATER | | STANDARD | THEATER |
| | S01 (W-R) | S02 (W-Y) | S01 (W-R) | S02 (W-Y) | S07 (W-B) | S07 (W-B) |
| NTSC | +41 | +15 | +26 | +9 | +20 | +15 |
| 480i | +22 | +7 | +12 | +7 | +4 | -7 |
| 480p | +33 | +18 | +16 | +7 | +2 | -4 |
| 1080i | +27 | +12 | +12 | +5 | +2 | -4 |

Table

### 4.7.6 AUDIO (MTS) ADJUSTMENT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **MTS INPUT LEVEL check** | Remote control unit | | [1.PICTURE/SOUND]<br>A01 : IN LEVEL | (1) Select 1.PICTURE / SOUND from SERVICE MENU.<br>(2) Select < A01 > (IN LEVEL).<br>(3) Verify that < A01 > is set at its initial setting value. |
| **MTS SEPARATION adjustment** | TV audio multiplex signal generator<br><br>Oscilloscope<br><br>Remote control unit | AUDIO OUT<br>L output<br>R output | [1.PICTURE/SOUND]<br>A02: LOW SEP.<br>A03 : HI SEP. | (1) Input stereo L signal (300Hz) from the TV audio multiplex signal generator to the antenna terminal.<br>(2) Connect an oscilloscope to L OUTPUT pin of the AUDIO OUT, and display one cycle portion of the 300Hz signal.<br>(3) Change the connection of the oscilloscope to R OUTPUT pin of the AUDIO OUT, and enlarge the voltage axis.<br>(4) Select < A02 > (LOW SEP.).<br>(5) Set the initial setting value of < A02 >.<br>(6) Adjust < A02 > so that the stroke element of the 300Hz signal will become minimum.<br>(7) Change the signal to 3kHz, and similarly adjust < A03 > (HI SEP.).<br>(8) Press [MUTING] key to memorize the set value. |



# SECTION 5
# TROUBLESHOOTING

## 5.1 SELF-DIAGNOSIS FUNCTIONS

- This model has self-check functions that inform of the failure of the TV by detecting abnormality.
- Operational state is always monitored and the identified is memorized on the record.

Therefore, diagnosis may be prevented against expectations if "NG" are indicated in many items. When recurrence of symptoms can be predicted, erase (reset) the history of failure and allow the unit to again record the results of diagnosis.

### 5.1.1 HOW TO ENTER THE SELF-DIAGNOSIS MODE

(1) Set the < SLEEP TIMER 30 MIN. > with [SLEEP TIMER] key. (Fig.1)
(2) During the < SLEEP TIMER 30 MIN. > display, press [DISPLAY] key and [VIDEO STATUS] key at the same time.
(3) Then < TEST MODE > screen is displayed. (Fig.2)
(4) Press [ 4 ] key then < SELF-CHECK > screen is appear. (Fig.3)

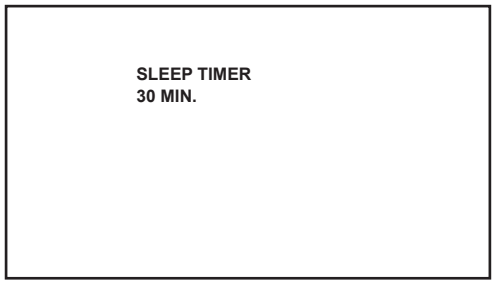


Fig.1

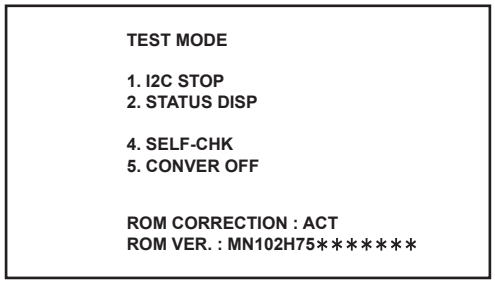


Fig.2

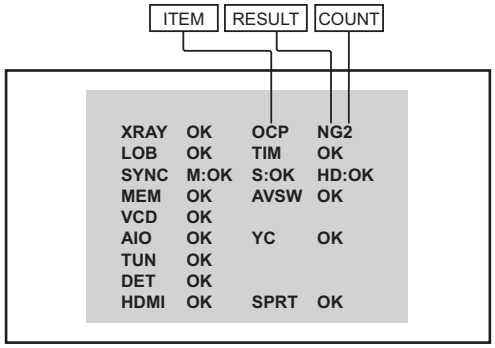


Fig.3
SELF-CHECK SCREEN

### 5.1.2 HOW TO EXIT FROM THE SELF-DIAGNOSIS MODE

**With initialization**

By using the remote control unit, turn the power off. At this time, the failure record is cleared.

**With not initialization**

(1) Take off the AC plug from the wall outlet. At this time, the failure record is not cleared.
(2) Press the [BACK] key the SELF-CHECK screen return to TEST MODE screen.

### 5.1.3 EXPLANATION FOR ACTIVATION OF SELF-DIAGNOSIS FUNCTIONS

- The latest failure is stored on the record at the end.
  The failure record for each check item is counted to the number of 9 at the maximum, When more than 9 failures are stored on the record, the counter remains stopped at 9.
- SYNC is neither counted nor stored in memory.
- Because of the timing of Vcc start-up and shut-down of the IC connecting to the $I^2C$ bus during which the power is turned on and off, the operation may be interpreted as an error.
  In order to avoid the misinterpretation, the self-check functions should be started at about 3 seconds after the power is turned on.

| Indication | Check item | Details of detection | Method of detection |
|---|---|---|---|
| XRAY | X-ray radiation protection | ------ | ------ |
| OCP | B1 over-current protection | B1 over-current is detected.<br>Q971 : DEF & CONVERGENCE OUT PWB | At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically. |
| LOB | Low B short protection | Operation of low B short protection circuit.<br>Q1961(5V), Q1962(9V) : MAIN PWB | At about 3 seconds after the power is turned on, the self-check function starts. If NG is detected for 200ms, the power is turned off automatically. |
| TIM | Timer | The AC power frequency is changed as follows :<br>50Hz → 60Hz<br>60Hz → 50Hz<br>IC1701(MICOM) : 17pin | Periodically check the power frequency by counting the AC pulse and monitor whether or not the frequency is changed except for the time immediately after resetting. |

| Indication | Check item | Details of detection | Method of detection |
|---|---|---|---|
| SYNC | Presence or absence of synchronized signal | Presence of synchronized signal.<br>HD : Component signal<br>M : NTSC main signal<br>S : NTSC sub signal<br>IC1301(AN15394A) : MI-COM & DIST MODULE PWB | When entering the self-check mode, "OK" is shown.<br>While running the mode with picture signal, if the synchronized signal is disappeared, "NG" is shown. |
| MEM | Memory (EEP-ROM) | ACK is returned when $I^2C$ traffic is carried out.<br>IC1703(MEMORY) : MI-COM & DIST MODULE PWB | The state is monitored every time when $I^2C$ traffic is carried out. Then the state is counted as a failure if ACK is not returned. |
| AVSW | AV switch | Ditto<br>IC1301(AN15852A) and<br>IC1501(CXA2069Q) : MAIN PWB | Ditto |
| VCD | Video / process<br>(RGB process) | Ditto<br>IC1301(AN15394A) : MI-COM & DIST MODULE PWB | Ditto |
| AIO | Audio process<br>(MTS decode / audio control) | Ditto<br>IC1502(M62320) : MAIN PWB | Ditto |
| YC | 3D YC separation | Ditto<br>IC3001(MN82832) : MI-COM & DIST MODULE PWB | Ditto |
| TUN | RF tuner | Ditto<br>RF tuner | Ditto |
| DET | DIST process | Ditto<br>IC201(JCC5055) : MI-COM & DIST MODULE PWB | Ditto |
| HDMI | Digital input process | Ditto<br>IC001(SiI9993) : DIGITAL INPUT MODULE PWB | Ditto |
| SPRT | Split protection | ---- | ---- |

#### 5.1.4 SELF-CHECK DISPLAY LED

The self-check results are shown on the following LED display.
Method of indication when the raster is not displayed.

Each failure is shown by turning POWER LED on and off at specified intervals.

- For X-ray radiation protection, B1 over-current protection, low B short protection and CRT neck broken protection, the power of the TV is turned off if NG is detected. Immediately after the power is turned off, POWER LED will be turning on and off. When the power is turned off, you cannot turn the power on again until the AC plug is taken out and put in again.

| Item | POWER LED ON / OFF intervals |
|---|---|
| X-ray radiation protection | Turning on and off 0.1-second intervals |
| B1 over-current protection | Turning on and off 1-second intervals |
| Low B short protection | Turning on and off 2-second intervals |
| CRT neck broken protection | Turning on and off 3-second intervals |

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# SCHEMATIC DIAGRAMS

## REAR PROJECTION TELEVISION

# AV-48P575/H,
# AV-56P575/H,
# AV-56P585/H

**CD-ROM No.SML200405**

| BASIC CHASSIS |
| --- |
| RP |

**[ AV-58P575 ]**

I'Art PRO

D.I.S.T. Digital Image Scaling Technology

HIGH DEFINITION TELEVISION HDTV MONITOR

BBE

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

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**No.YA091**
**2004/4**

# AV-48P575/H, AV-56P575/H, AV-56P585/H
# STANDARD CIRCUIT DIAGRAM

## ■ NOTE ON USING CIRCUIT DIAGRAMS

### 1.SAFETY

**The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.**

### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

| | |
|---|---|
| (1)Input signal | : Colour bar signal |
| (2)Setting positions of each knob/button and variable resistor | : Original setting position when shipped |
| (3)Internal resistance of tester | : DC 20kΩ/V |
| (4)Oscilloscope sweeping time | : H ⇒ 20µs / div |
| | : V ⇒ 5ms / div |
| | : Othters ⇒ Sweeping time is specified |
| (5)Voltage values | : All DC voltage values |

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

**(1)Resistors**

● Resistance value

| | |
|---|---|
| No unit | : [ Ω ] |
| K | : [ kΩ ] |
| M | : [MΩ ] |

● Rated allowable power

| | |
|---|---|
| No indication | : 1/16 [W] |
| Others | : As specified |

● Type

| | |
|---|---|
| No indication | : Carbon resistor |
| OMR | : Oxide metal film resistor |
| MFR | : Metal film resistor |
| MPR | : Metal plate resistor |
| UNFR | : Uninflammable resistor |
| FR | : Fusible resistor |

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

**(2)Capacitors**

● Capacitance value

| | |
|---|---|
| 1 or higher | : [pF] |
| less than 1 | : [µF] |

● Withstand voltage

| | |
|---|---|
| No indication | : DC50[V] |
| Others | : DC withstand voltage [V] |
| AC indicated | : AC withstand voltage [V] |

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [µF]/withstand voltage[V]

● Type

| | |
|---|---|
| No indication | : Ceramic capacitor |
| MM | : Metalized mylar capacitor |
| PP | : Polypropylene capacitor |
| MPP | : Metalized polypropylene capacitor |
| MF | : Metalized film capacitor |
| TF | : Thin film capacitor |
| BP | : Bipolar electrolytic capacitor |
| TAN | : Tantalum capacitor |

**(3)Coils**

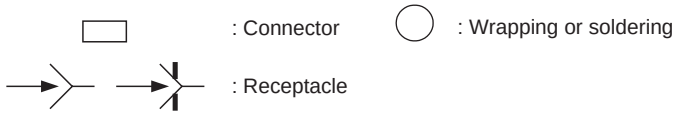
| | |
|---|---|
| No unit | : [µH] |
| Others | : As specified |

**(4)Power Supply**

∗ Respective voltage values are indicated

**(5)Test point**

**(6)Connecting method**




**(7)Ground symbol**

⊥ : LIVE side ground

⏚ : ISOLATED(NEUTRAL) side ground

⏚ : EARTH ground

▽ : DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

**NOTE**

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
**When ordering parts, please use the numbers that appear in the Parts List.**

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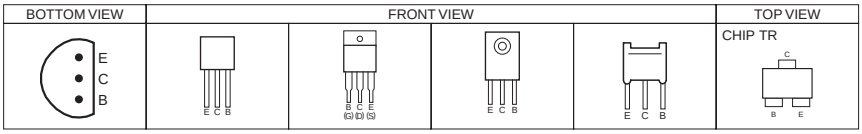
## USING P.W. BOARD

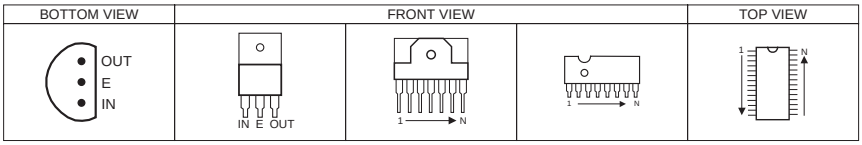
| PWB ASS'Y name | AV-48P575/H | AV-56P575/H | AV-56P585/H |
|---|---|---|---|
| MAIN P.W. BOARD | SRP-1003A-M2 | SRP-1004A-M2 | SRP-1002A-M2 |
| R CRT SOCKET P.W. BOARD | SRP-3101A-M2 | ← | ← |
| G CRT SOCKET P.W. BOARD | SRP-3201A-M2 | ← | ← |
| B CRT SOCKET P.W. BOARD | SRP-3301A-M2 | ← | ← |
| VM P.W. BOARD | SRP-7201A-M2 | ← | ← |
| DEF / CONVERGENCE OUT P.W. BOARD | SRP-2002A-M2 | ← | ← |
| POWER P.W. BOARD | SRP-9001A-M2 | ← | ← |
| REMOCON SENSOR P.W. BOARD | SRP-8001A-M2 | ← | ← |
| FRONT CONTROL P.W. BOARD | SRP0L001A-M2 | ← | ← |

## SEMICONDUCTOR SHAPES

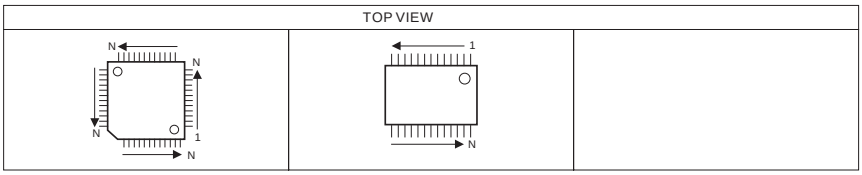
**TRANSISTOR**



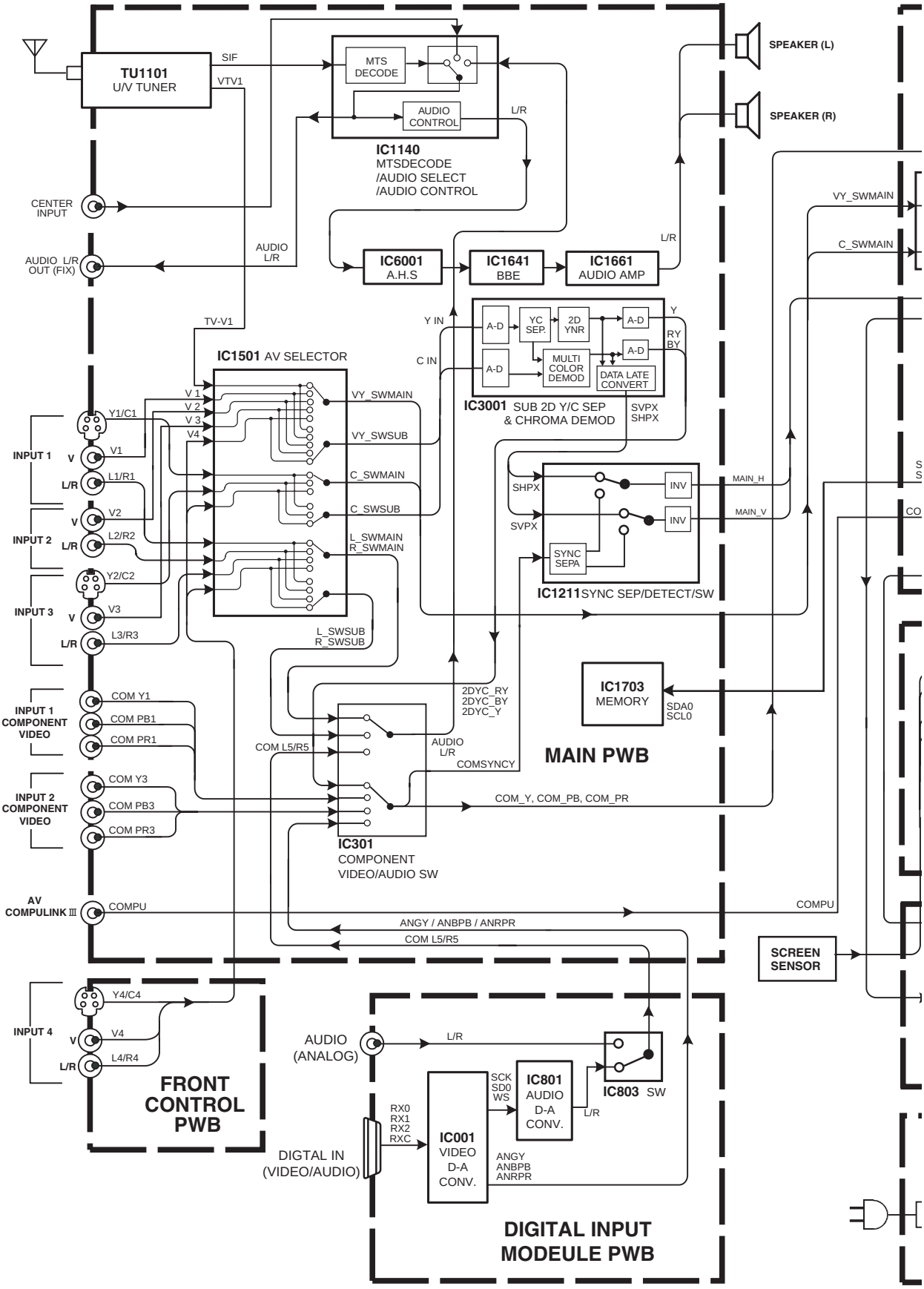

**IC**

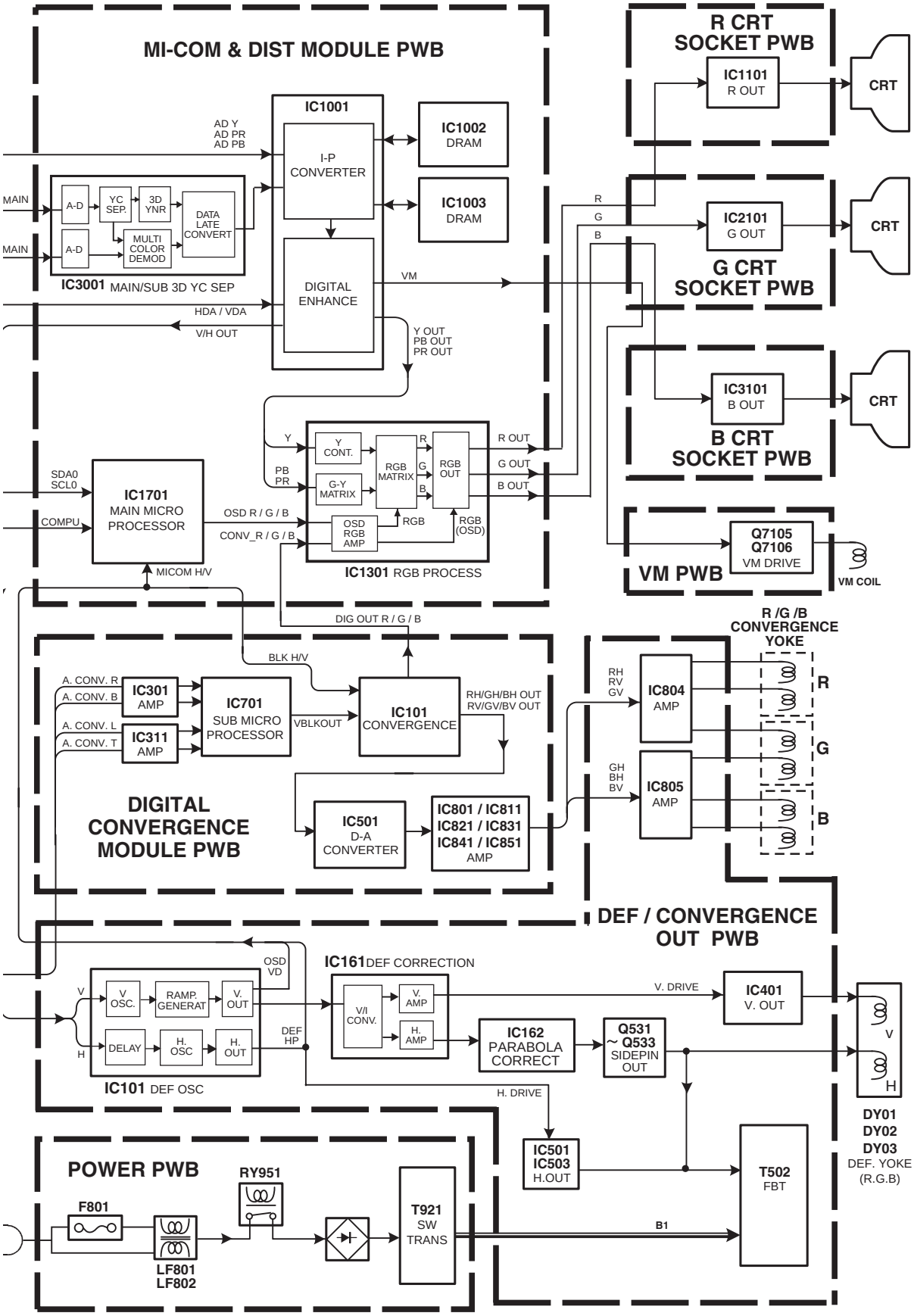



**CHIP IC**



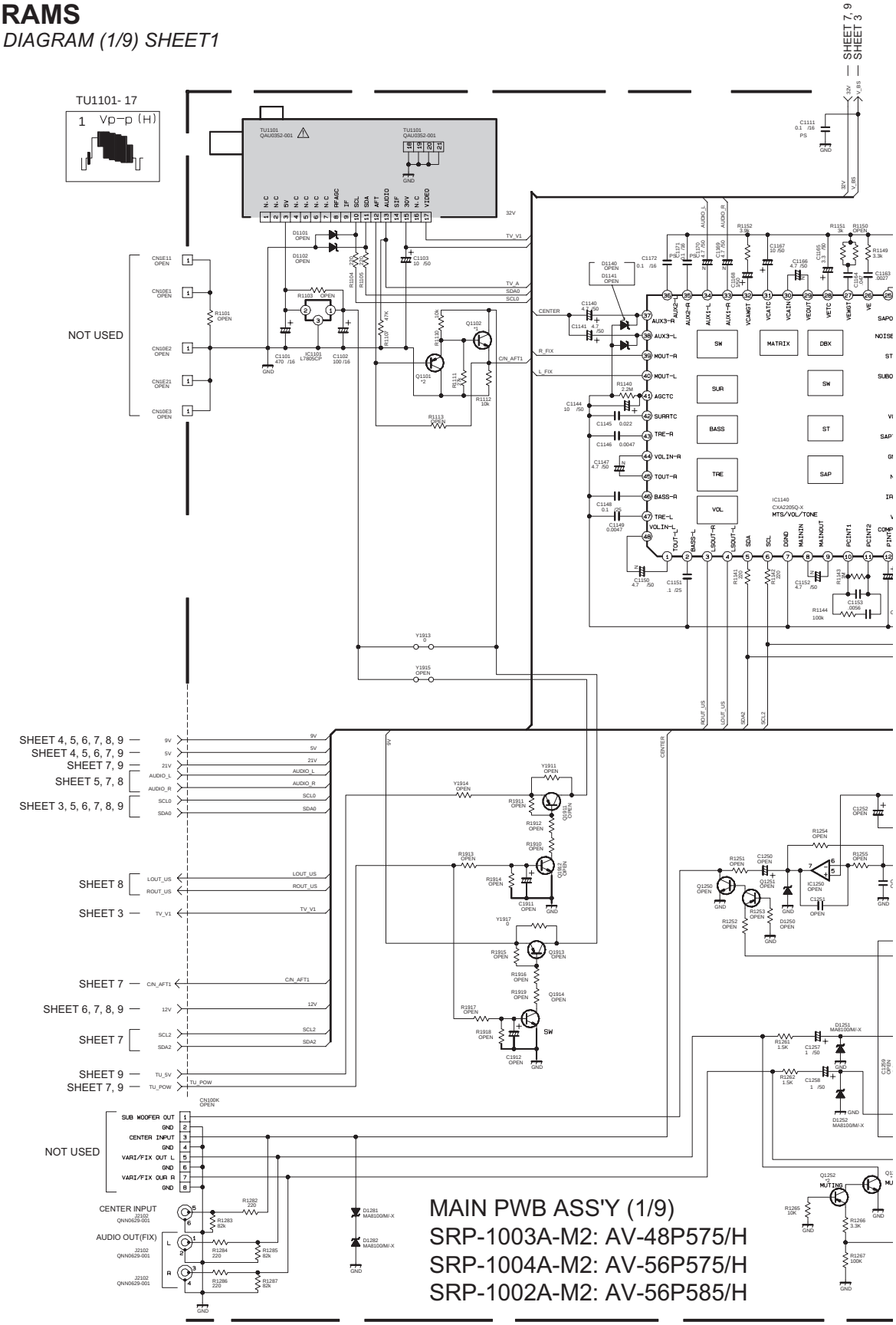
# BLOCK DIAGRAM

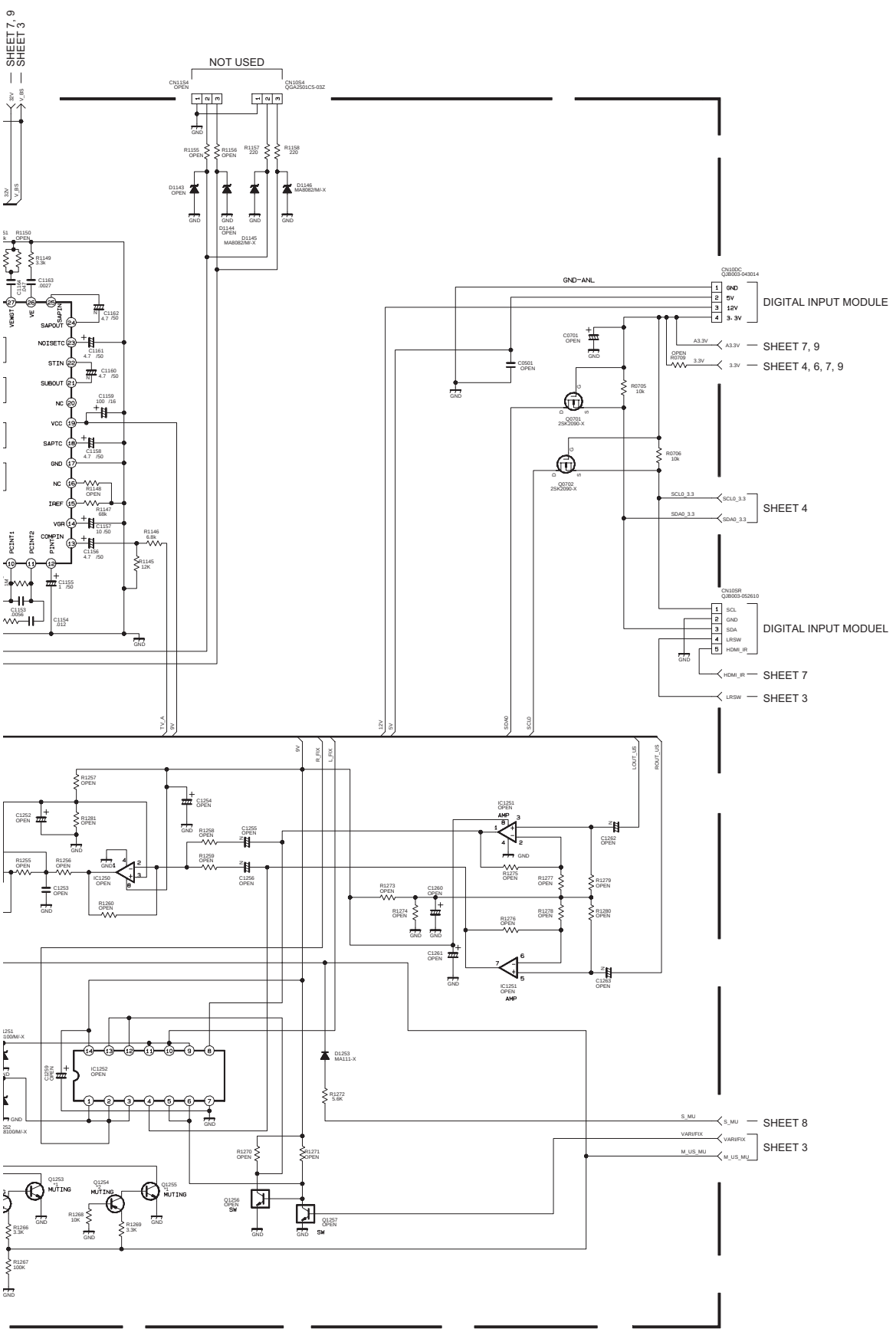



MI-COM & DIST MODULE PWB
IC1001
I-P CONVERTER
IC1002 DRAM
IC1003 DRAM
AD Y
AD PR
AD PB
MAIN
MAIN
A-D
YC SEP.
3D YNR
A-D
MULTI COLOR DEMOD
DATA LATE CONVERT
IC3001 MAIN/SUB 3D YC SEP
DIGITAL ENHANCE
VM
HDA / VDA
V/H OUT
Y OUT
PB OUT
PR OUT
R CRT SOCKET PWB
IC1101 R OUT
CRT
R
G
B
IC2101 G OUT
CRT
G CRT SOCKET PWB
IC3101 B OUT
CRT
B CRT SOCKET PWB
Y
PB
PR
Y CONT.
G-Y MATRIX
RGB MATRIX
RGB OUT
R OUT
G OUT
B OUT
OSD RGB AMP
RGB
RGB (OSD)
IC1301 RGB PROCESS
SDA0
SCL0
COMPU
IC1701 MAIN MICRO PROCESSOR
OSD R / G / B
CONV_R / G / B
MICOM H/V
Q7105
Q7106
VM DRIVE
VM PWB
VM COIL
DIG OUT R / G / B
BLK H/V
R /G /B CONVERGENCE YOKE
A. CONV. R
A. CONV. B
A. CONV. L
A. CONV. T
IC301 AMP
IC311 AMP
IC701 SUB MICRO PROCESSOR
VBLKOUT
IC101 CONVERGENCE
RH/GH/BH OUT
RV/GV/BV OUT
RH
RV
GV
IC804 AMP
GH
BH
BV
IC805 AMP
R
G
B
DIGITAL CONVERGENCE MODULE PWB
IC501 D-A CONVERTER
IC801 / IC811
IC821 / IC831
IC841 / IC851
AMP
DEF / CONVERGENCE OUT PWB
OSD VD
IC161 DEF CORRECTION
V
H
V OSC.
RAMP. GENERAT
V. OUT
DELAY
H. OSC
H. OUT
DEF HP
V/I CONV.
V. AMP
H. AMP
V. DRIVE
IC401 V. OUT
IC162 PARABOLA CORRECT
Q531 ~ Q533 SIDEPIN OUT
IC101 DEF OSC
H. DRIVE
IC501 IC503 H.OUT
T502 FBT
DY01
DY02
DY03
DEF. YOKE (R.G.B)
POWER PWB
F801
RY951
LF801
LF802
T921 SW TRANS
B1

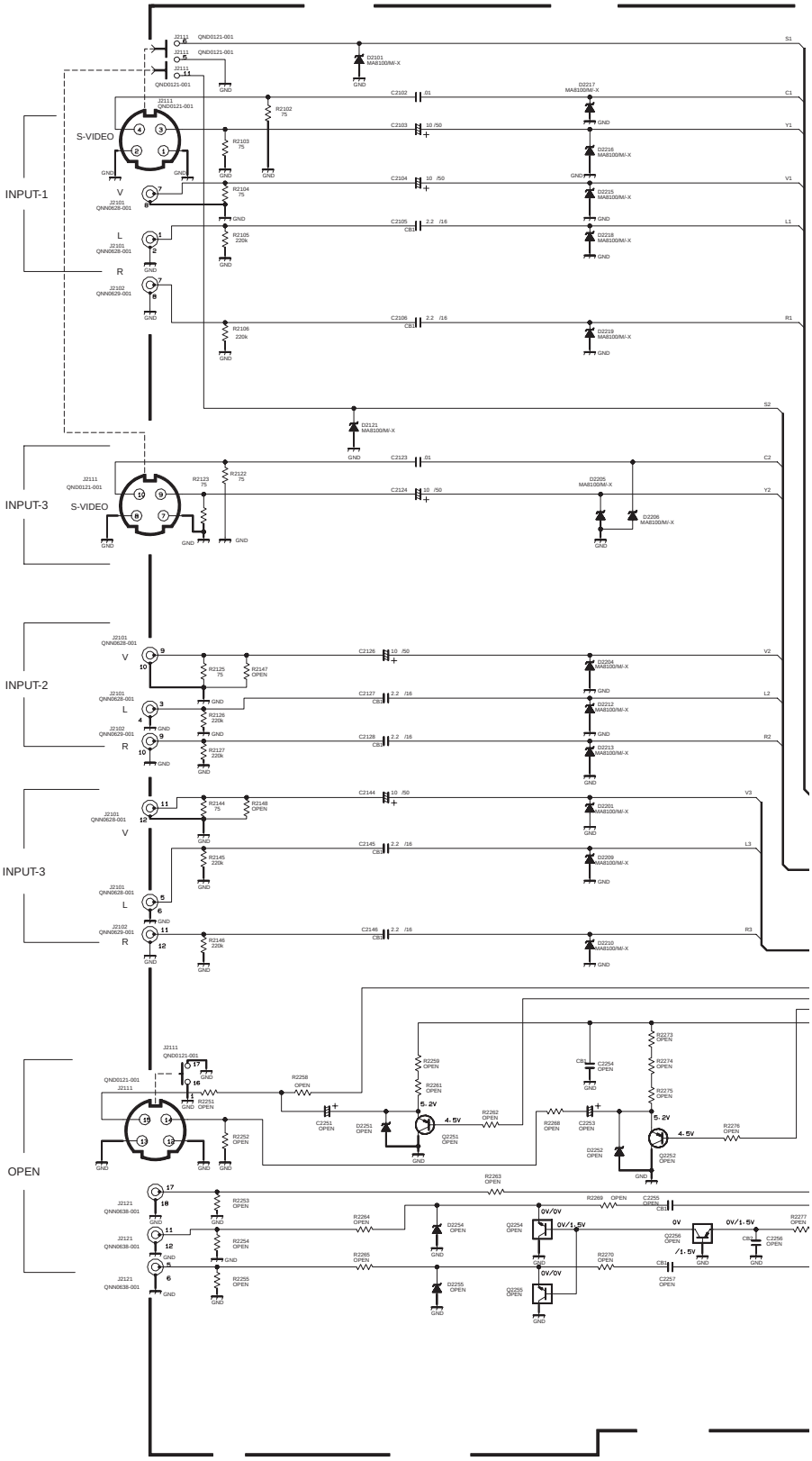
# CIRCUIT DIAGRAMS

*MAIN PWB CIRCUIT DIAGRAM (1/9) SHEET1*

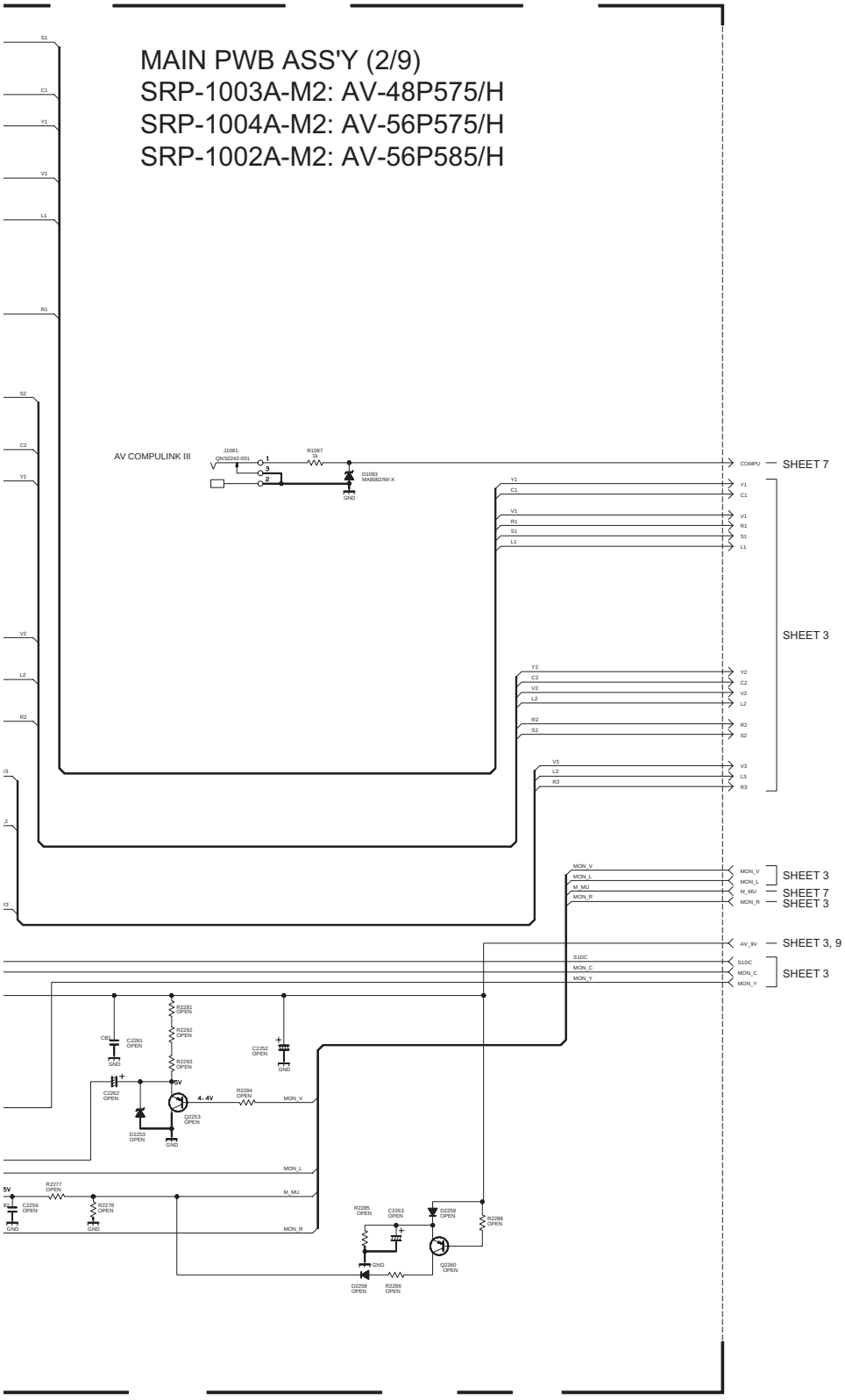




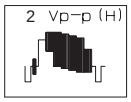

| MODE PIN NO. | DC (V) |
|---|---|
| TU1101 | |
| 1 | NC |
| 2 | NC |
| 3 | 4.9 |
| 4 | NC |
| 5 | NC |
| 6 | NC |
| 7 | NC |
| 8 | NC |
| 9 | NC |
| 10 | 4.3 |
| 11 | 4.1 |
| 12 | 2.7 |
| 13 | 1.8 |
| 14 | NC |
| 15 | 34.1 |
| 16 | NC |
| 17 | 2 |
| IC1101 | |
| 1 | 8.8 |
| 2 | 4.9 |
| 3 | 0 |
| IC1140 | |
| 1 | 4 |
| 2 | 4 |
| 3 | 4 |
| 4 | 4 |
| 5 | 4.9 |
| 6 | 4.9 |
| 7 | 0 |
| 8 | 3.9 |
| 9 | 3.9 |
| 10 | 4 |
| 11 | 3.8 |
| 12 | 3.2 |
| 13 | 4 |
| 14 | 1.2 |
| 15 | 1.3 |
| 16 | 0 |
| 17 | 0 |
| 18 | 3.2 |
| 19 | 8.8 |
| 20 | NC |
| 21 | 4 |
| 22 | 4 |
| 23 | 4 |
| 24 | 3.8 |
| 25 | 4 |
| 26 | 3.9 |
| 27 | 4 |
| 28 | 1.9 |
| 29 | 4 |
| 30 | 4 |
| 31 | 1.8 |
| 32 | 4 |
| 33 | 4 |
| 34 | 4 |
| 35 | 4 |
| 36 | 4 |
| 37 | 4 |
| 38 | 4 |
| 39 | 3.9 |
| 40 | 3.9 |
| 41 | 1.1 |
| 42 | 4 |
| 43 | 4 |
| 44 | 4 |
| 45 | 4 |
| 46 | 4 |
| 47 | 4 |
| 48 | 4 |
| Q1101 | |
| E | 3.2 |
| C | 0 |
| B | 2.6 |
| Q0701 | |
| S | 2.6 |
| D | 4.4 |
| G | 3.2 |
| Q0702 | |
| S | 2.9 |
| D | 4.2 |
| G | 3.2 |
| Q1252 | |
| E | 0 |
| C | -2.3 |
| B | 0 |
| Q1253 | |
| E | 0 |
| C | 0 |
| B | -2.3 |
| Q1254 | |
| E | 0 |
| C | -2.3 |
| B | 0 |
| Q1255 | |
| E | 0 |
| C | 0 |
| B | -2.3 |


INPUT-1
S-VIDEO
INPUT-3
S-VIDEO
INPUT-2
INPUT-3
OPEN

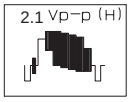
# MAIN PWB ASS'Y (2/9)
# SRP-1003A-M2: AV-48P575/H
# SRP-1004A-M2: AV-56P575/H
# SRP-1002A-M2: AV-56P585/H



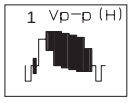
IC1501- 44



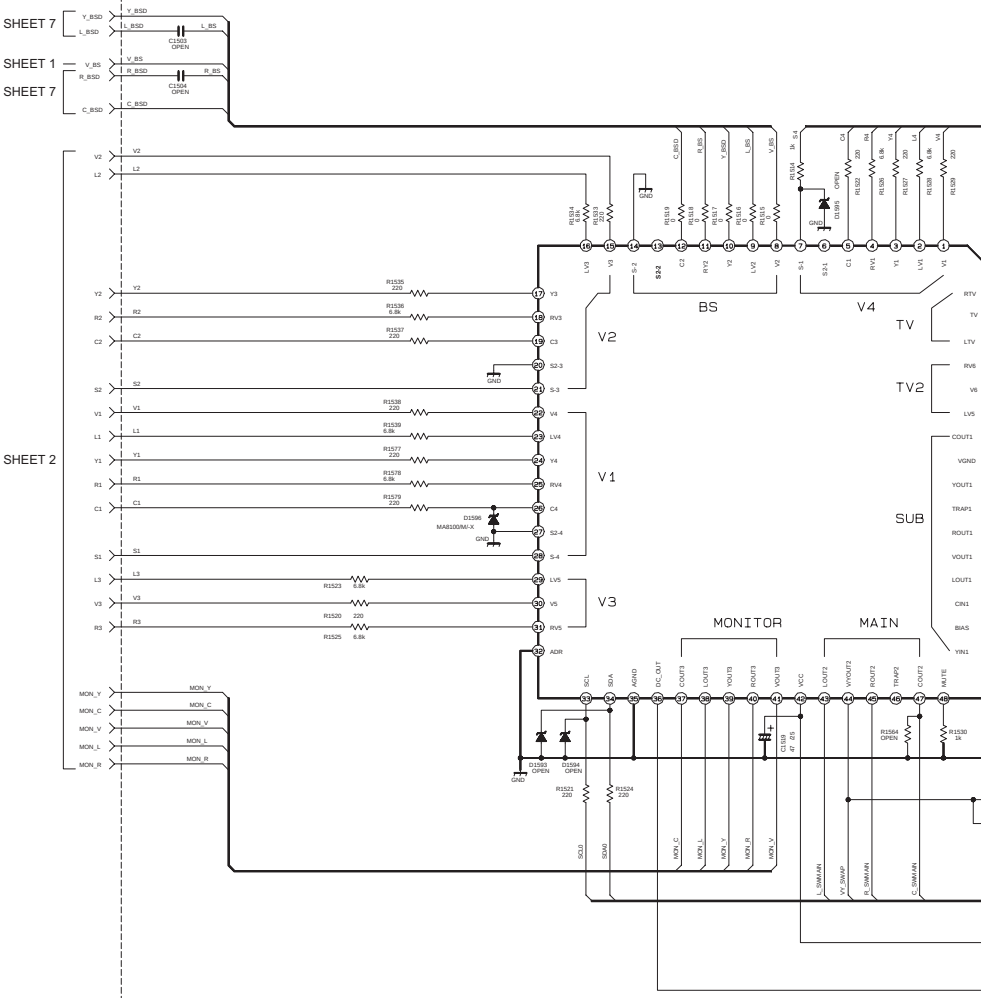

IC1501- 53,56

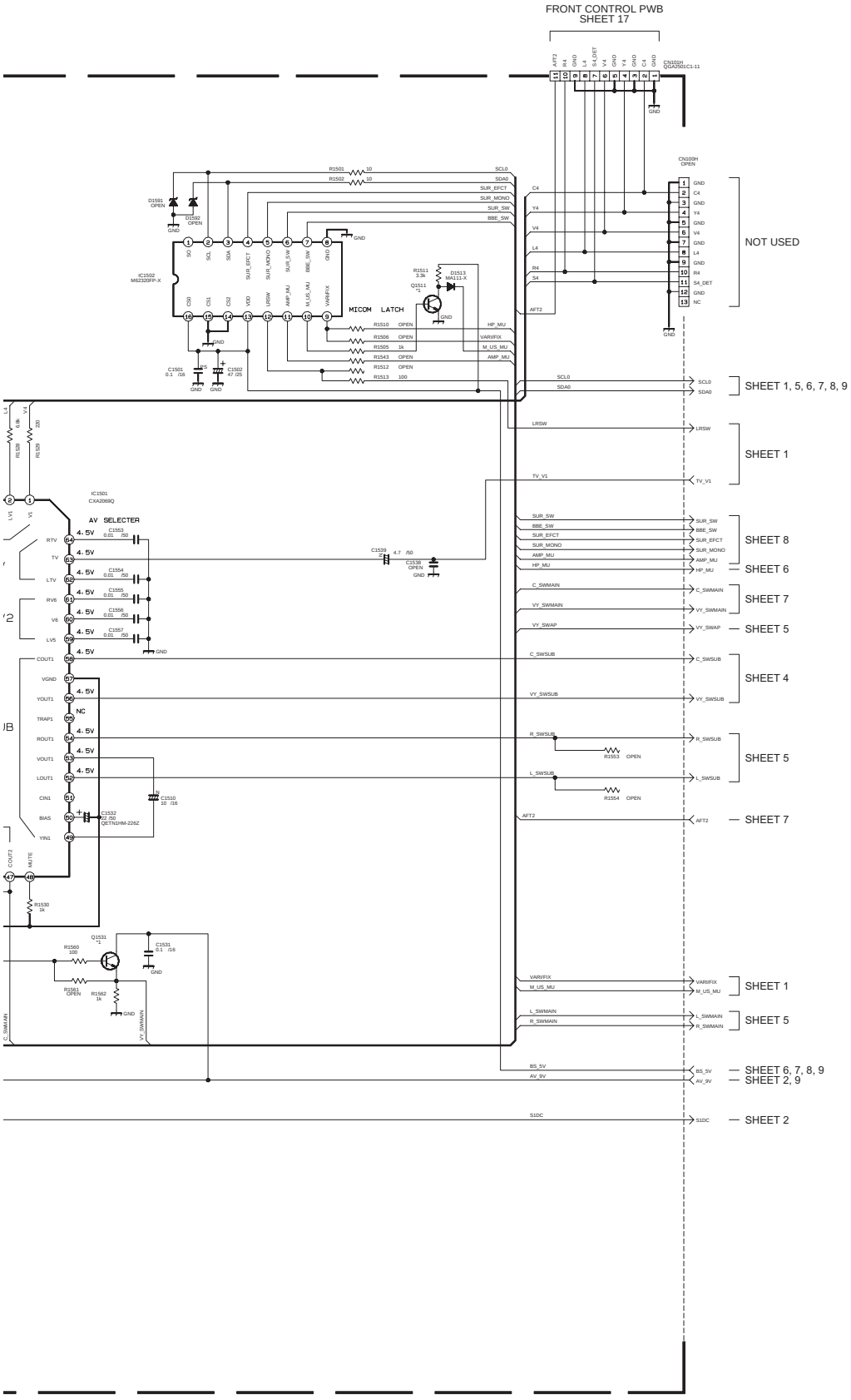



IC1501- 63



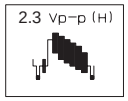

MAIN PWB ASS'Y (3/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H



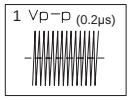



| MODE PIN NO. | DC (V) |
|---|---|
| IC1501 | |
| 1 | 3.8 |
| 2 | 4.4 |
| 3 | 3.9 |
| 4 | 4.4 |
| 5 | 4.3 |
| 6 | NC |
| 7 | 4.8 |
| 8 | 3.9 |
| 9 | 4.4 |
| 10 | 5.1 |
| 11 | 4.4 |
| 12 | 4.3 |
| 13 | NC |
| 14 | 0 |
| 15 | 3.8 |
| 16 | 4.4 |
| 17 | 3.9 |
| 18 | 4.4 |
| 19 | 4.4 |
| 20 | 0 |
| 21 | 4.9 |
| 22 | 3.9 |
| 23 | 4.4 |
| 24 | 3.9 |
| 25 | 4.4 |
| 26 | 4.3 |
| 27 | 0 |
| 28 | 4.9 |
| 29 | 4.4 |
| 30 | 3.9 |
| 31 | 4.4 |
| 32 | 0 |
| 33 | 4.2 |
| 34 | 4 |
| 35 | 0 |
| 36 | -0.1 |
| 37 | 4.3 |
| 38 | 4.4 |
| 39 | 3.5 |
| 40 | 4.4 |
| 41 | 3.3 |
| 42 | 9 |
| 43 | 4.4 |
| 44 | 4.3 |
| 45 | 4.4 |
| 46 | NC |
| 47 | 4.4 |
| 48 | 0 |
| 49 | 3.9 |
| 50 | 4.4 |
| 51 | NC |
| 52 | 4.4 |
| 53 | 3.5 |
| 54 | 4.4 |
| 55 | NC |
| 56 | 3.1 |
| 57 | 0 |
| 58 | 4.3 |
| 59 | 4.4 |
| 60 | 3.9 |
| 61 | 4.4 |
| 62 | 4.4 |
| 63 | 4.3 |
| 64 | 4.4 |
| IC1502 | |
| 1 | NC |
| 2 | 4.2 |
| 3 | 4.1 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0 |
| 7 | 0 |
| 8 | 0 |
| 9 | 5.1 |
| 10 | 4.5 |
| 11 | 0 |
| 12 | 5.1 |
| 13 | 5.4 |
| 14 | 0 |
| 15 | 0 |
| 16 | 5.1 |
| Q1511 | |
| E | 3.7 |
| C | 9 |
| B | 4.3 |
| Q1531 | |
| E | 0 |
| C | 4.2 |
| B | 4.5 |

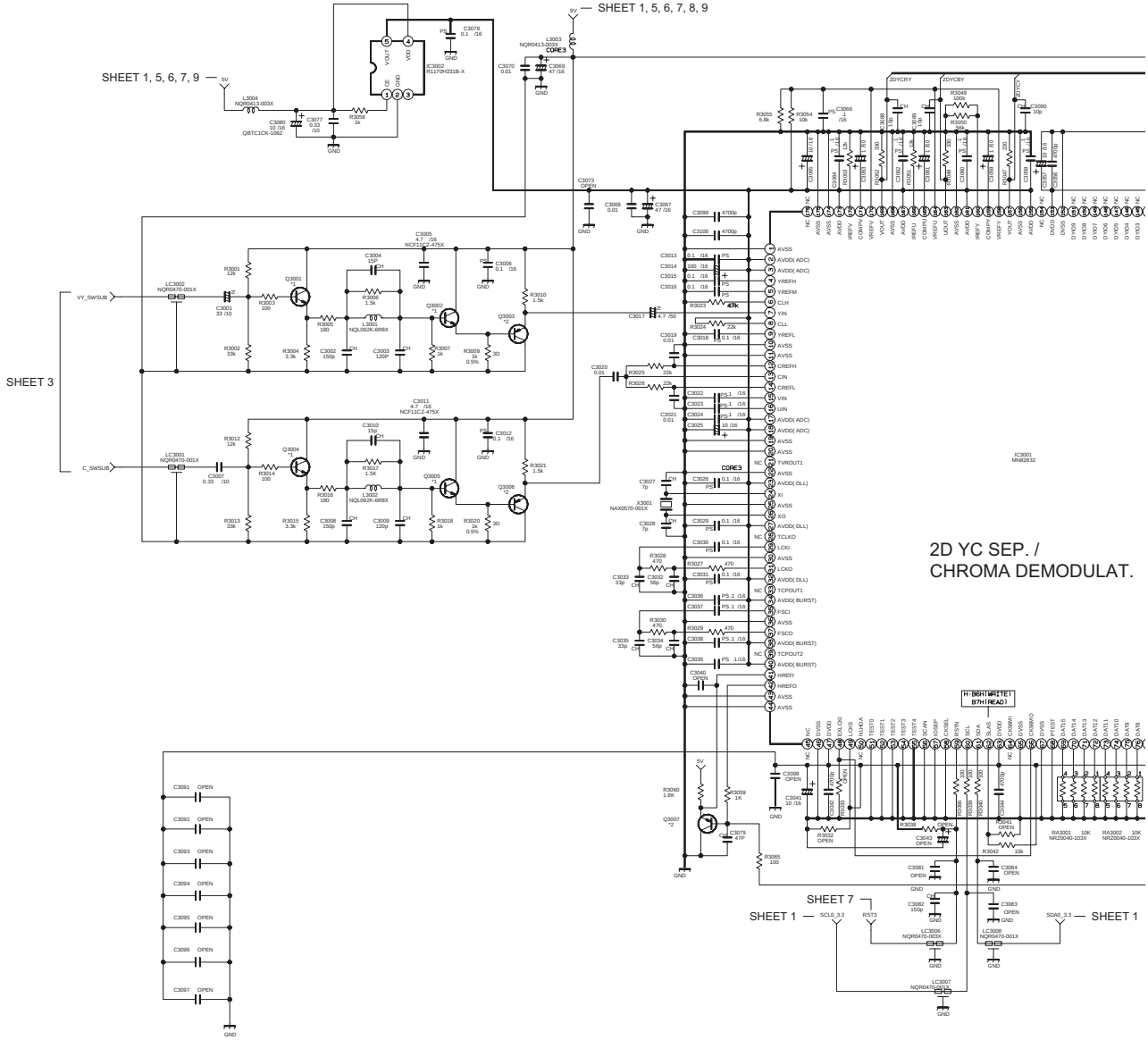
IC3001- 7

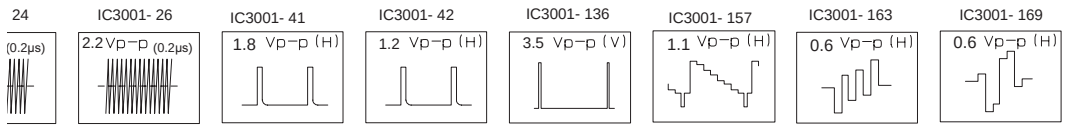


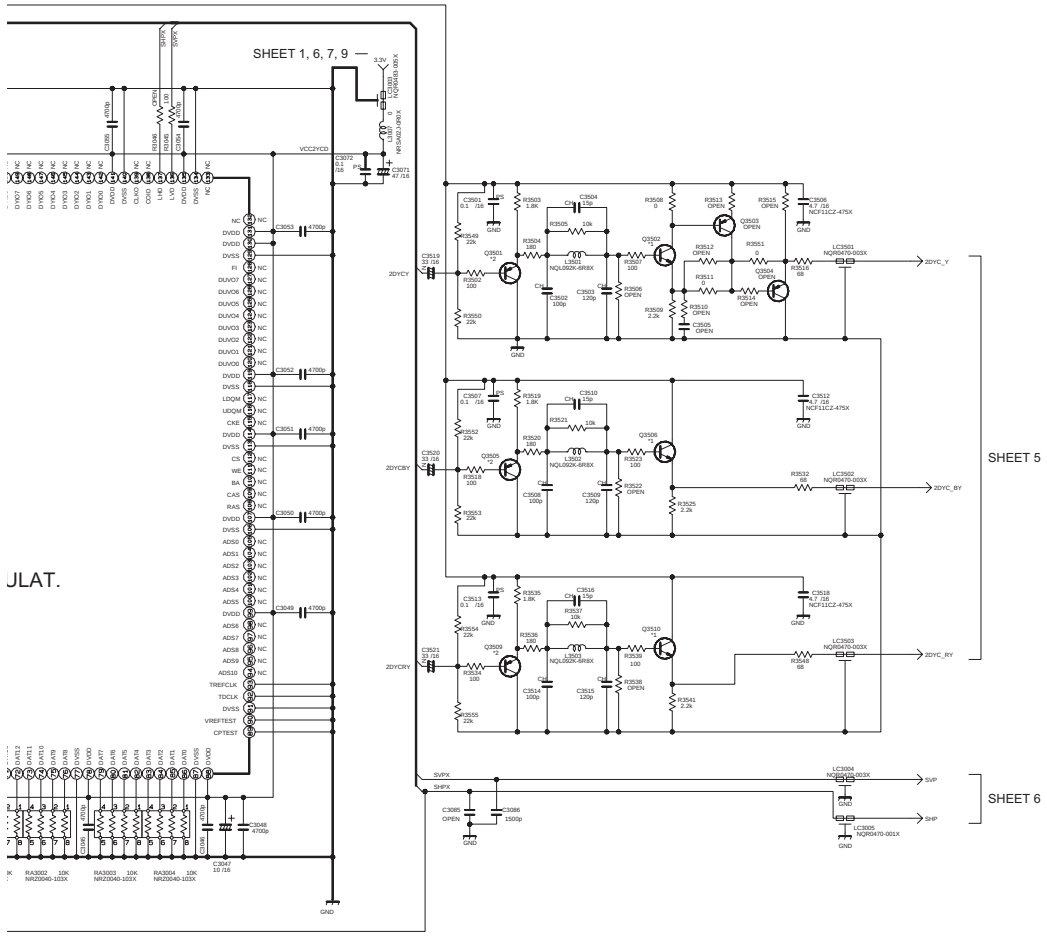

IC3001- 24




# MAIN PWB ASS'Y (4/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H





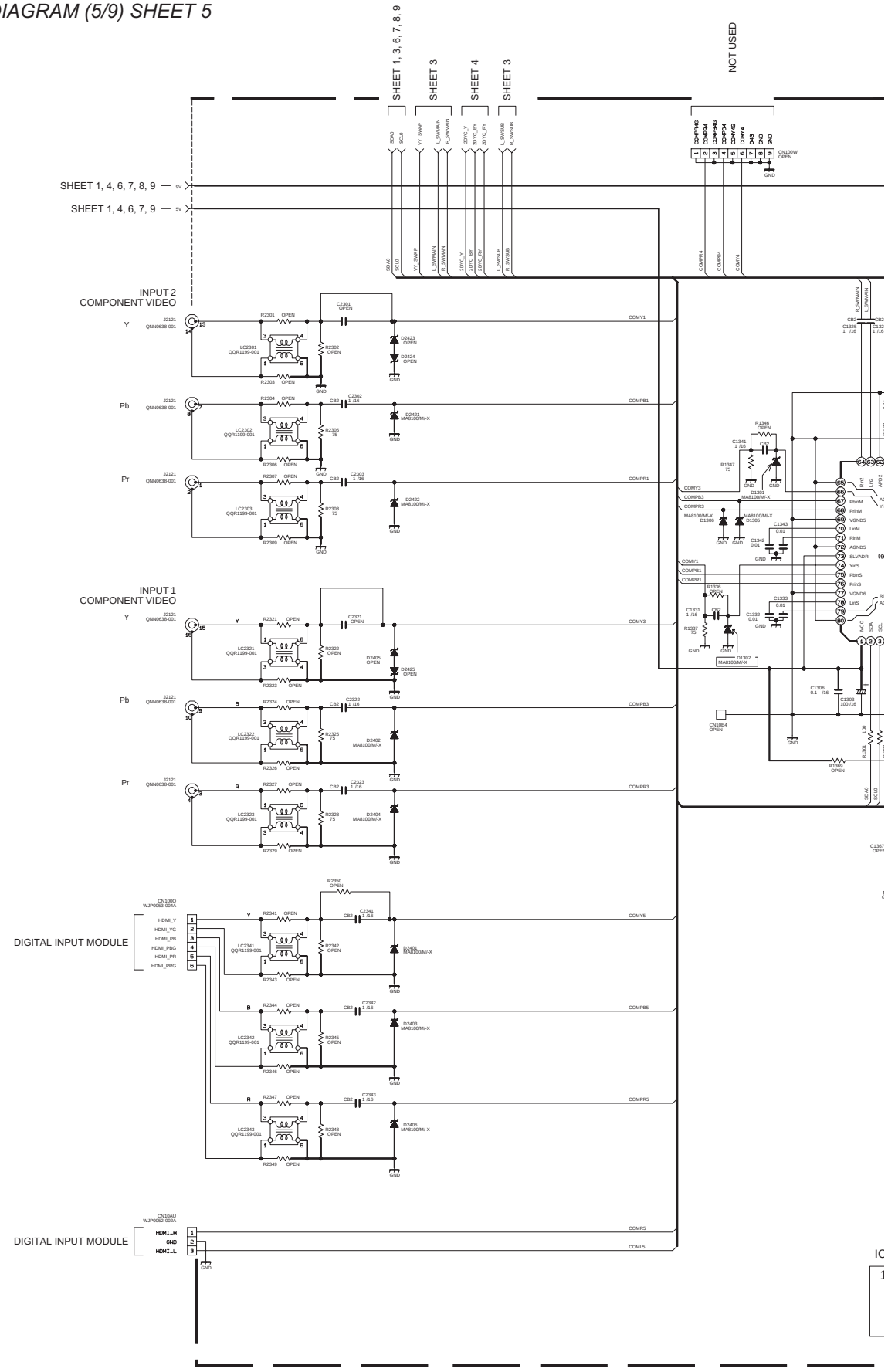



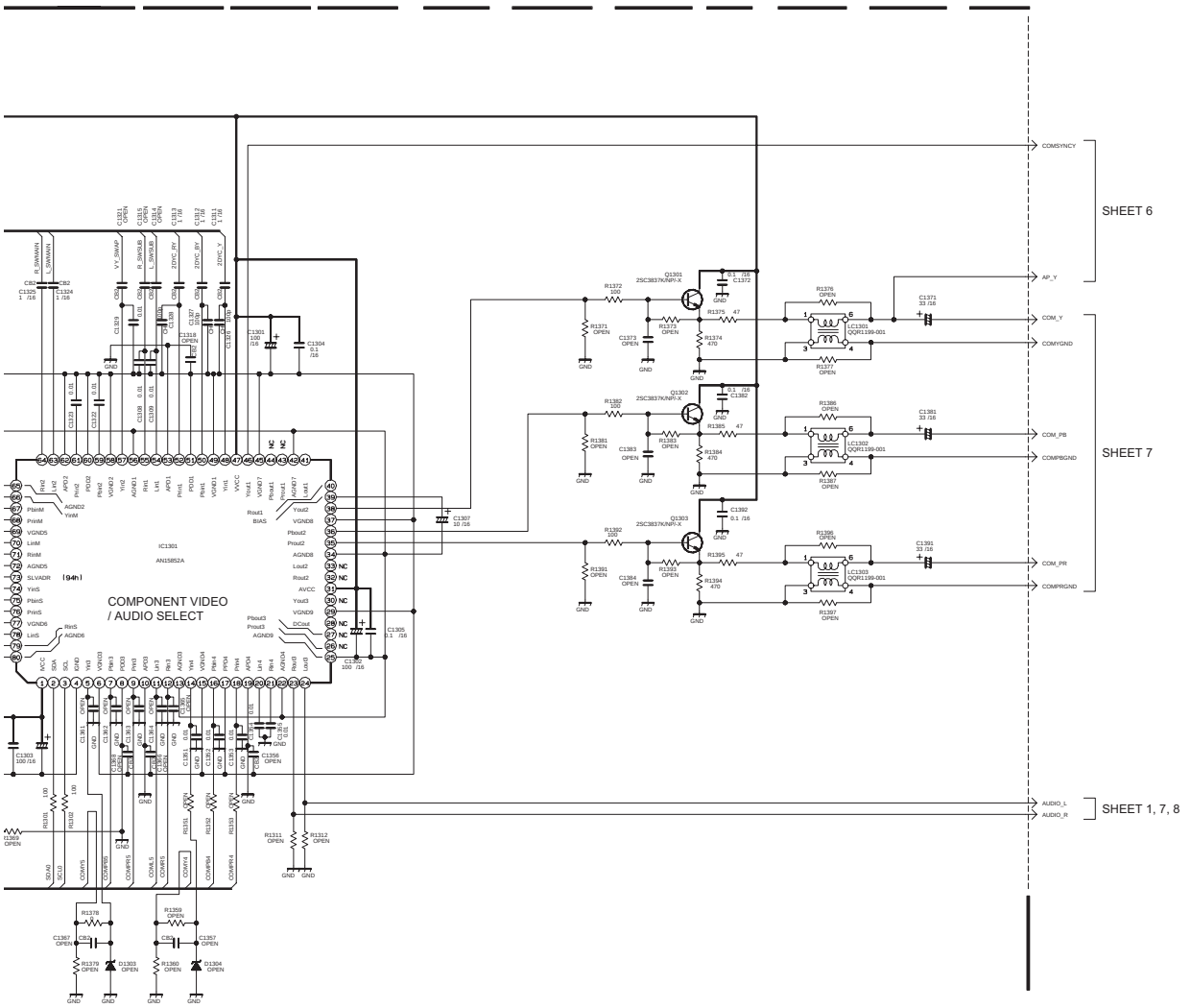

| MODE PIN NO. | DC (V) |
|---|---|
| IC3001 | |
| 1 | 0 |
| 2 | 3.3 |
| 3 | 3.3 |
| 4 | 2.5 |
| 5 | 3.3 |
| 6 | 2.1 |
| 7 | 5.9 |
| 8 | 3.3 |
| 9 | 3.3 |
| 10 | 0 |
| 11 | 0 |
| 12 | 2.6 |
| 13 | 1.6 |
| 14 | 1.6 |
| 15 | 3.3 |
| 16 | 3.3 |
| 17 | 3.3 |
| 18 | 3.3 |
| 19 | 0 |
| 20 | 0 |
| 21 | NC |
| 22 | 0 |
| 23 | 3.3 |
| 24 | 0 |
| 25 | 0 |
| 26 | 0 |
| 27 | 3.3 |
| 28 | NC |
| 29 | 3.3 |
| 30 | 0 |
| 31 | 0 |
| 32 | 3.3 |
| 33 | NC |
| 34 | 3.3 |
| 35 | 3.3 |
| 36 | 0 |
| 37 | 0 |
| 38 | 3.3 |
| 39 | NC |
| 40 | 3.3 |
| 41 | 0.9 |
| 42 | 0.9 |
| 43 | 0 |
| 44 | 0 |
| 45 | NC |
| 46 | 0 |
| 47 | 3.4 |
| 48 | 0 |
| 49 | 0 |
| 50 | NC |
| 51 | 0 |
| 52 | 0 |
| 53 | 0 |
| 54 | 0 |
| 55 | 0 |
| 56 | 0 |
| 57 | 0 |
| 58 | 0 |
| 59 | 2.7 |
| 60 | 2.7 |
| 61 | 2.7 |
| 62 | 3.4 |
| 63 | 3.4 |
| 64 | NC |
| 65 | 0 |
| 66 | NC |
| 67 | 0 |
| 68 | 0 |
| 69 | * |
| 70 | * |
| 71 | * |
| 72 | * |
| 73 | * |
| 74 | * |
| 75 | * |
| 76 | * |
| 77 | * |
| 78 | 3.4 |
| 79 | * |
| 80 | * |
| 81 | * |
| 82 | * |
| 83 | * |
| 84 | * |
| 85 | * |
| 86 | * |
| 87 | 0 |
| 88 | 3.4 |
| 89 | 0 |
| 90 | 0 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | NC |
| 95 | NC |
| 96 | NC |
| 97 | NC |

| MODE PIN NO. | DC (V) |
|---|---|
| 98 | NC |
| 99 | 3.4 |
| 100 | NC |
| 101 | NC |
| 102 | NC |
| 103 | NC |
| 104 | NC |
| 105 | NC |
| 106 | 0 |
| 107 | 3.4 |
| 108 | NC |
| 109 | NC |
| 110 | NC |
| 111 | NC |
| 112 | NC |
| 113 | 0 |
| 114 | 3.4 |
| 115 | NC |
| 116 | NC |
| 117 | NC |
| 118 | 0 |
| 119 | 3.4 |
| 120 | NC |
| 121 | NC |
| 122 | NC |
| 123 | NC |
| 124 | NC |
| 125 | NC |
| 126 | NC |
| 127 | NC |
| 128 | NC |
| 129 | 0 |
| 130 | 3.4 |
| 131 | 3.4 |
| 132 | NC |
| 133 | NC |
| 134 | 0 |
| 135 | 3.3 |
| 136 | 3.3 |
| 137 | 0 |
| 138 | NC |
| 139 | NC |
| 140 | 0 |
| 141 | 3.3 |
| 142 | NC |
| 143 | NC |
| 144 | NC |
| 145 | NC |
| 146 | NC |
| 147 | NC |
| 148 | NC |
| 149 | NC |
| 150 | NC |
| 151 | NC |
| 152 | 0 |
| 153 | 3.3 |
| 154 | NC |
| 155 | 3.3 |
| 156 | 0 |
| 157 | 0.5 |
| 158 | 3.3 |
| 159 | 2.4 |
| 160 | 0 |
| 161 | 3.3 |
| 162 | 0 |
| 163 | 0.5 |
| 164 | 3.3 |
| 165 | 2.4 |
| 166 | 0 |
| 167 | 3.3 |
| 168 | 0.5 |
| 169 | 0.3 |
| 170 | 3.3 |
| 171 | 2.4 |
| 172 | 0.5 |
| 173 | 3.3 |
| 174 | 0 |
| 175 | 0 |
| 176 | NC |
| IC3002 | |
| 1 | 5.1 |
| 2 | 0 |
| 3 | 0 |
| 4 | 5.1 |
| 5 | 3.2 |
| Q3001 | |
| E | 5.8 |
| C | 9 |
| B | 6.4 |
| Q3002 | |
| E | 4.3 |
| C | 9 |
| B | 4.9 |
| Q3003 | |
| E | 4.9 |
| C | 0 |
| B | 4.2 |
| Q3004 | |

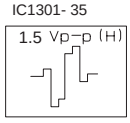
| MODE PIN NO. | DC (V) |
|---|---|
| E | 5.8 |
| C | 9 |
| B | 6.4 |
| Q3005 | |
| E | 4.2 |
| C | 9 |
| B | 4.8 |
| Q3006 | |
| E | 4.9 |
| C | 0 |
| B | 4.2 |
| Q3007 | |
| E | 9 |
| C | 0 |
| B | 0.2 |
| Q3501 | |
| E | 5.2 |
| C | 0 |
| B | 4.5 |
| Q3502 | |
| E | 4.6 |
| C | 9 |
| B | 5.2 |
| Q3505 | |
| E | 5.2 |
| C | 0 |
| B | 4.6 |
| Q3506 | |
| E | 4.6 |
| C | 9 |
| B | 5.2 |
| Q3509 | |
| E | 5.2 |
| C | 0 |
| B | 4.6 |
| Q3510 | |
| E | 4.6 |
| C | 9 |
| B | 5.2 |

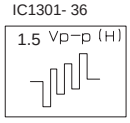
*:DIGITAL

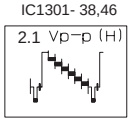

SHEET 1, 3, 6, 7, 8, 9
SHEET 3
SHEET 4
SHEET 3
NOT USED
SHEET 1, 4, 6, 7, 8, 9 — 9V
SHEET 1, 4, 6, 7, 9 — 5V
INPUT-2
COMPONENT VIDEO
Y
Pb
Pr
INPUT-1
COMPONENT VIDEO
DIGITAL INPUT MODULE
DIGITAL INPUT MODULE
SDA0
SCL0
VY_SWAP
L_SWWAIN
R_SWWAIN
ZOYC_Y
ZOYC_BY
ZOYC_RY
L_SWSAB
R_SWSAB
COMPR4G
COMPR4
COMPB4G
COMPB4
COMPR4S
COMPB4S
COMY4
D43
GND
CN100W
OPEN
COMY1
COMPB1
COMPR1
COMY3
COMPB3
COMPR3
COMY5
COMPB5
COMPR5
COML5
HDMI_Y
HDMI_YG
HDMI_PB
HDMI_PBG
HDMI_PR
HDMI_PRG
HDMI_R
GND
HDMI_L
CN100Q
WJP0053-004A
CN10AU
WJP0052-002A
CN10E4
OPEN
D1301
MAB100/MI-X
D1302
MAB100/MI-X
D1305
MAB100/MI-X
D1306
MAB100/MI-X
R1346
OPEN
R1347
75
R1336
R1337
75
R1369
OPEN
C1341
1 /16
C1342
0.01
C1343
0.01
C1331
1 /16
C1332
0.01
C1333
0.01
C1306
0.1 /16
C1303
100 /16
C1325
1 /16
C1326
1 /16
C1327
1 /16
C1328
1 /16
C1329
1 /16
C1330
1 /16
C1367
OPEN
AVCC
SDA
SCL
AD42
AD43
AD52
AD53
YInS
PbInS
PrInS
VGND6
LinS
RinS
VGND5
LinM
RinM
PrinM
PbinM
AGND5
SLVADR
YinS
PbinS
PrinS
R2301
R2302
R2303
R2304
R2305
R2306
R2307
R2308
R2309
R2321
R2322
R2323
R2324
R2325
R2326
R2327
R2328
R2329
R2341
R2342
R2343
R2344
R2345
R2346
R2347
R2348
R2349
R2350
OPEN
C2301
C2302
C2303
C2321
C2322
C2323
C2341
C2342
C2343
1 /16
CB2
D2423
D2424
D2421
D2422
D2405
D2425
D2402
D2404
D2401
D2403
D2406
MAB100/MI-X
LC2301
LC2302
LC2303
LC2321
LC2322
LC2323
LC2341
LC2342
LC2343
QQR1199-001
J2121
QNN0638-001
CN10W
OPEN

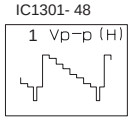


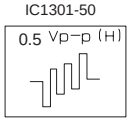

MAIN PWB ASS'Y (5/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H

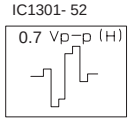
IC1301- 35


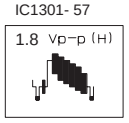

IC1301- 36



IC1301- 38,46


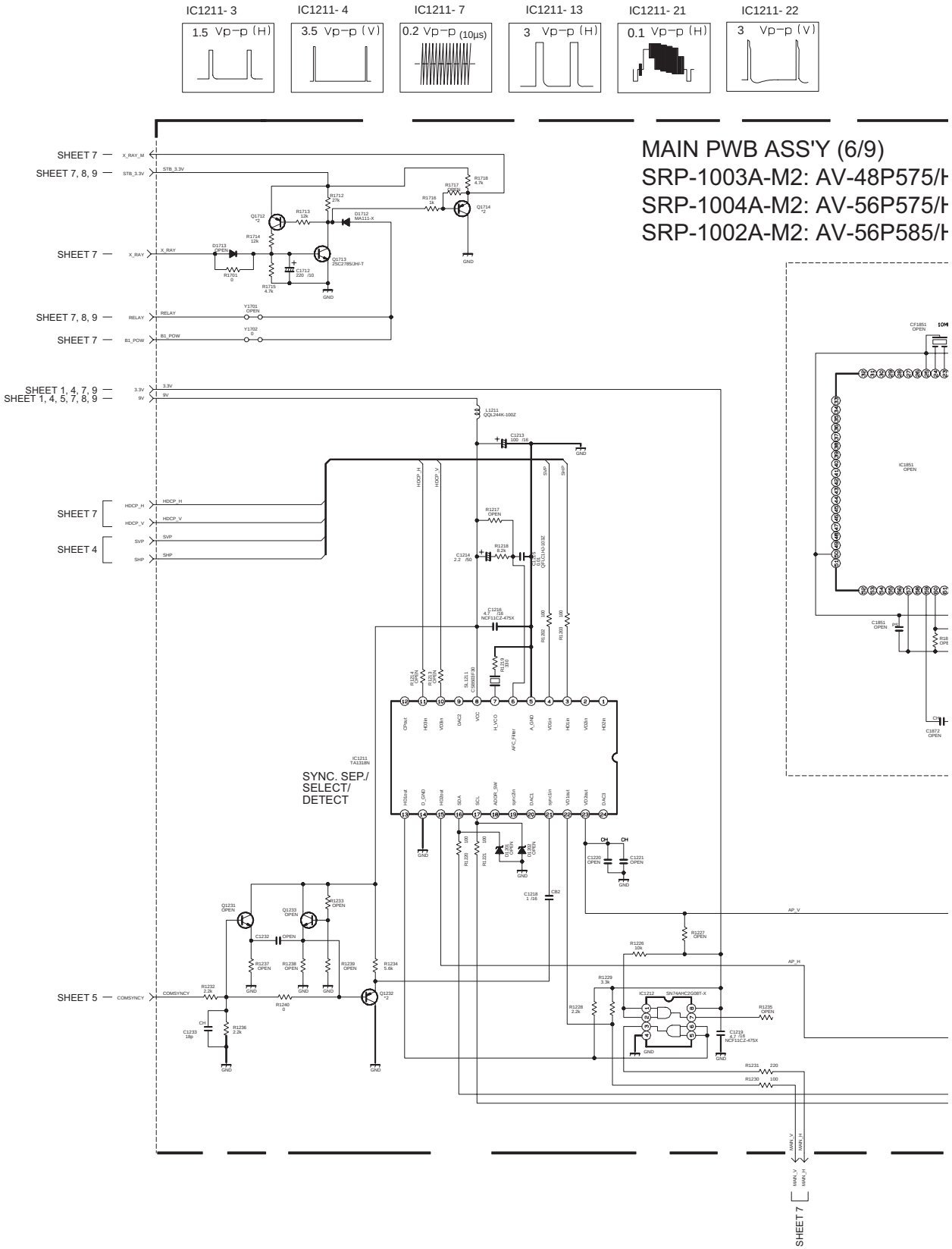

IC1301- 48


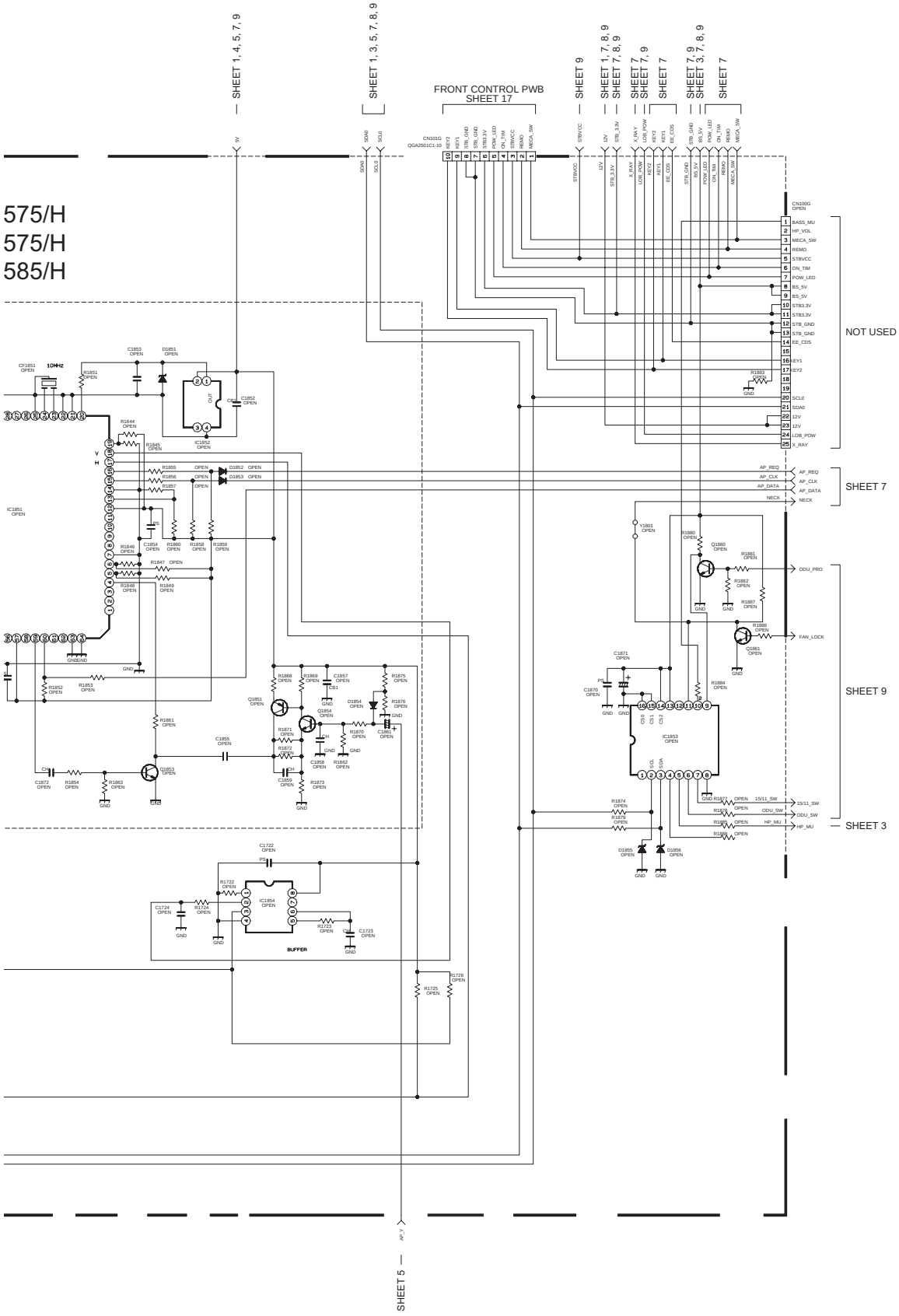

IC1301-50



IC1301- 52



IC1301- 57


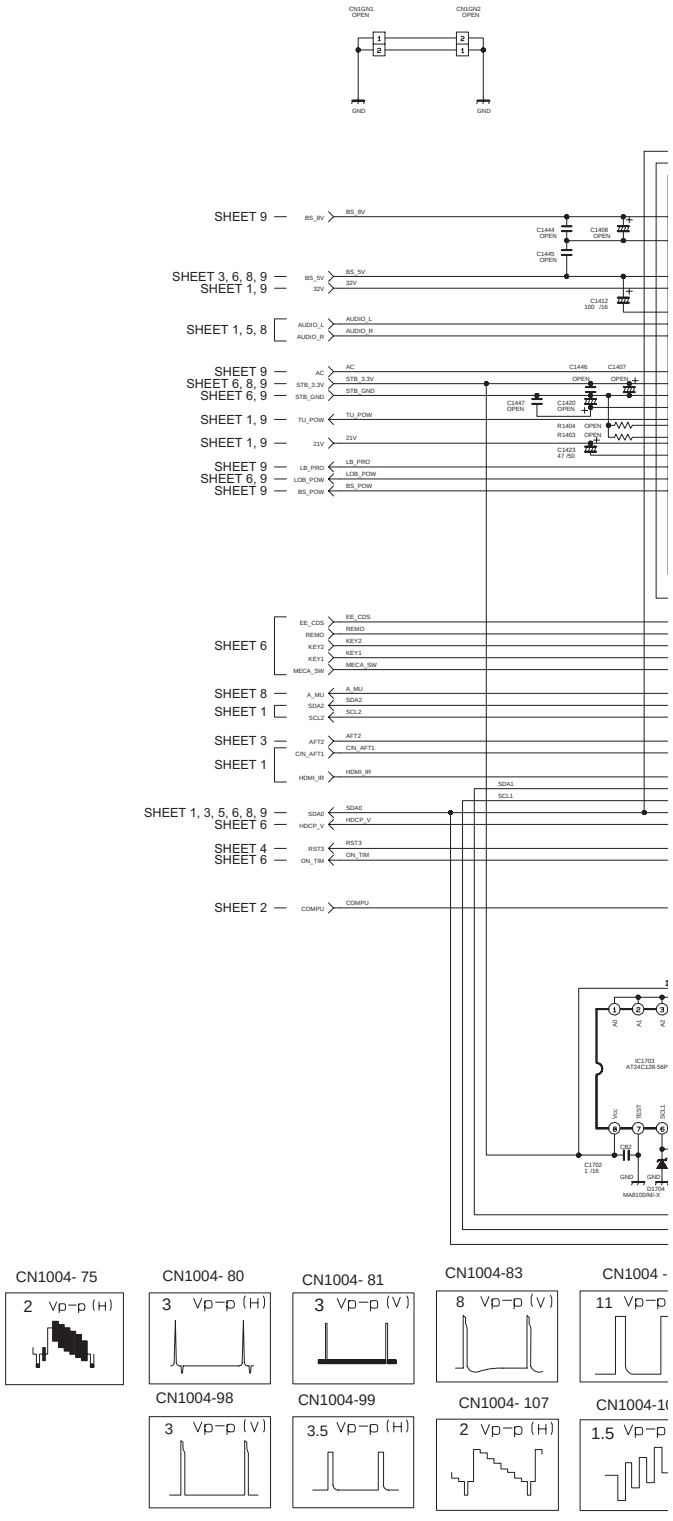

| MODE PIN NO. | DC (V) |
|---|---|
| IC1301 | |
| 1 | 0 |
| 2 | 4 |
| 3 | 4.2 |
| 4 | 0 |
| 5 | 4.6 |
| 6 | 0 |
| 7 | 4.6 |
| 8 | 0 |
| 9 | 4.6 |
| 10 | 0 |
| 11 | 4.4 |
| 12 | 4.4 |
| 13 | 0 |
| 14 | 4.6 |
| 15 | 0 |
| 16 | 4.6 |
| 17 | 0 |
| 18 | 4.6 |
| 19 | 0 |
| 20 | 4.4 |
| 21 | 4.4 |
| 22 | 0 |
| 23 | 4.4 |
| 24 | 4.4 |
| 25 | 0 |
| 26 | NC |
| 27 | NC |
| 28 | NC |
| 29 | 0 |
| 30 | NC |
| 31 | 8.9 |
| 32 | NC |
| 33 | NC |
| 34 | 0 |
| 35 | 4.4 |
| 36 | 4.4 |
| 37 | 0 |
| 38 | 4.4 |
| 39 | 4.4 |
| 40 | NC |
| 41 | NC |
| 42 | 0 |
| 43 | NC |
| 44 | NC |
| 45 | 0 |
| 46 | 4.4 |
| 47 | 8.9 |
| 48 | 4.6 |
| 49 | 0 |
| 50 | 4.6 |
| 51 | 0 |
| 52 | 4.6 |
| 53 | 0 |
| 54 | 4.4 |
| 55 | 4.4 |
| 56 | 0 |
| 57 | 4.6 |
| 58 | 0 |
| 59 | 4.6 |
| 60 | 0 |
| 61 | 4.6 |
| 62 | 0 |
| 63 | 4.3 |
| 64 | 4.4 |
| 65 | 0 |
| 66 | 4.6 |
| 67 | 4.6 |
| 68 | 4.6 |
| 69 | 0 |
| 70 | 4.4 |
| 71 | 4.4 |
| 72 | 0 |
| 73 | 5 |
| 74 | 4.6 |
| 75 | 4.6 |
| 76 | 4.6 |
| 77 | 0 |
| 78 | 4.4 |
| 79 | 4.4 |
| 80 | 0 |
| Q1301 | |
| E | 3.7 |
| C | 9 |
| B | 4.4 |
| Q1302 | |
| E | 3.6 |
| C | 9 |
| B | 4.4 |
| Q1303 | |
| E | 3.6 |
| C | 9 |
| B | 4.4 |

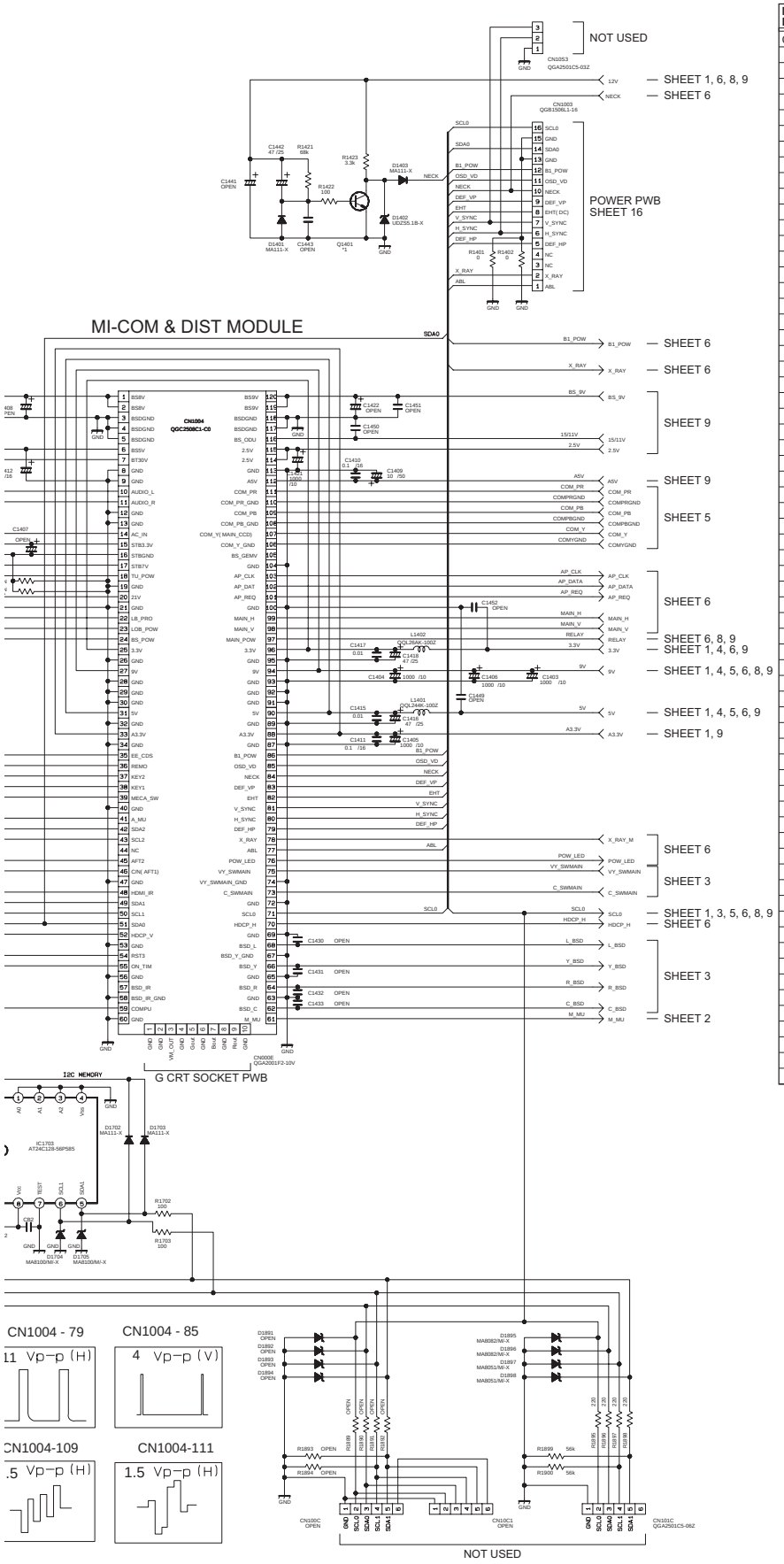

IC1211- 3
1.5 Vp−p (H)
IC1211- 4
3.5 Vp−p (V)
IC1211- 7
0.2 Vp−p (10µs)
IC1211- 13
3 Vp−p (H)
IC1211- 21
0.1 Vp−p (H)
IC1211- 22
3 Vp−p (V)
MAIN PWB ASS'Y (6/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H
SHEET 7
SHEET 7, 8, 9
SHEET 1, 4, 7, 9
SHEET 1, 4, 5, 7, 8, 9
SHEET 4
SHEET 5
SYNC. SEP./
SELECT/
DETECT
IC1211
TA1318N
IC1212
SN744HC2G08T-X
IC1851
OPEN




| MODE PIN NO. | DC (V) |
|---|---|
| IC1211 | |
| 1 | NC |
| 2 | NC |
| 3 | 0.2 |
| 4 | 0 |
| 5 | 0 |
| 6 | 6.2 |
| 7 | 4.8 |
| 8 | 8.9 |
| 9 | NC |
| 10 | 0.2 |
| 11 | 0.3 |
| 12 | NC |
| 13 | 0.5 |
| 14 | 0 |
| 15 | 0 |
| 16 | 4 |
| 17 | 4.2 |
| 18 | NC |
| 19 | NC |
| 20 | NC |
| 21 | 0 |
| 22 | 0 |
| 23 | 0 |
| 24 | NC |
| IC1212 | |
| 1 | 3.1 |
| 2 | 3.1 |
| 3 | 0.2 |
| 4 | 0 |
| 5 | 0.5 |
| 6 | 0.5 |
| 7 | 3.3 |
| 8 | 3.3 |
| Q1232 | |
| E | 2.8 |
| C | 0 |
| B | 0 |
| Q1712 | |
| E | 2.9 |
| C | 5.9 |
| B | 3.2 |
| Q1713 | |
| E | 0 |
| C | 3.2 |
| B | 6.2 |
| Q1714 | |
| E | 2.9 |
| C | 0 |
| B | 3.2 |

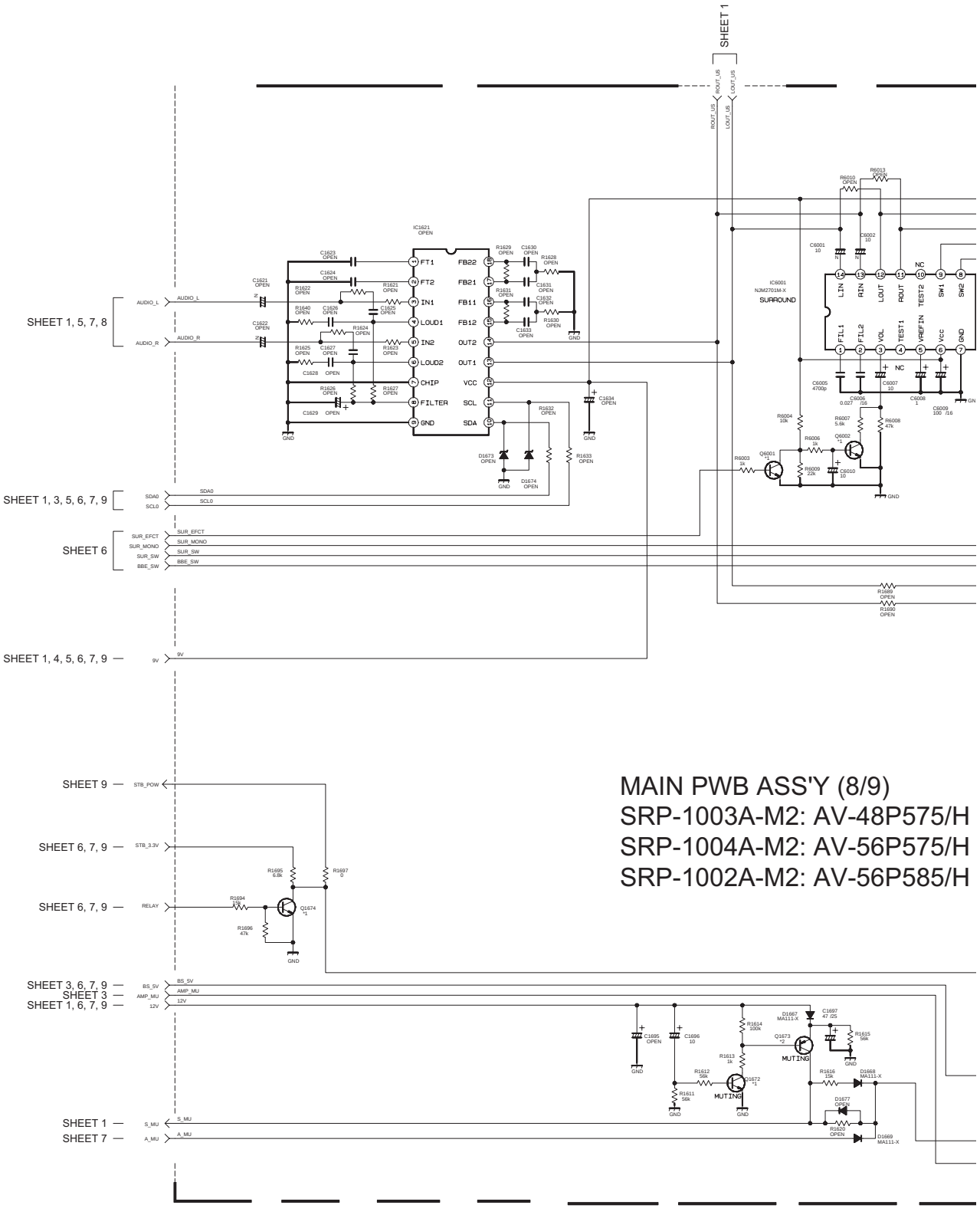
# MAIN PWB ASS'Y (7/9)
# SRP-1003A-M2: AV-48P575/H
# SRP-1004A-M2: AV-56P575/H
# SRP-1002A-M2: AV-56P585/H



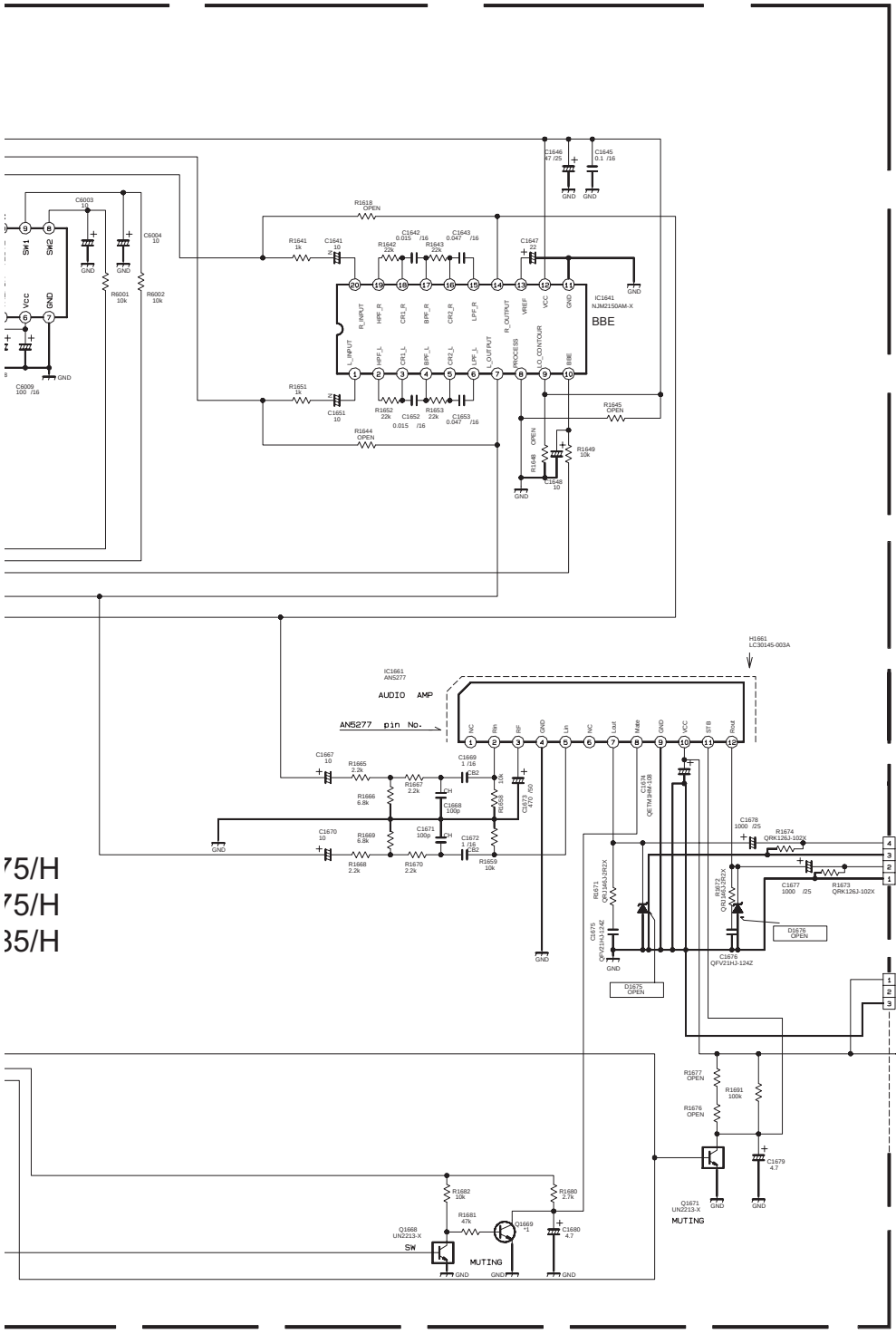



| MODE PIN NO. | DC (V) |
|---|---|
| CN1004 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 5.1 |
| 7 | 34.2 |
| 8 | 0 |
| 9 | 0 |
| 10 | 4.4 |
| 11 | 4.4 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 3.2 |
| 16 | 0 |
| 17 | 0 |
| 18 | 0 |
| 19 | 0 |
| 20 | 29.2 |
| 21 | 0 |
| 22 | 0 |
| 23 | 3.1 |
| 24 | 0 |
| 25 | 3.2 |
| 26 | 0 |
| 27 | 8.8 |
| 28 | 0 |
| 29 | 0 |
| 30 | 0 |
| 31 | 0 |
| 32 | 0 |
| 33 | 3.2 |
| 34 | 0 |
| 35 | 3.2 |
| 36 | 3.1 |
| 37 | 3.2 |
| 38 | 3.2 |
| 39 | 3.2 |
| 40 | 0 |
| 41 | 0 |
| 42 | 4.8 |
| 43 | 4.8 |
| 44 | NC |
| 45 | 0 |
| 46 | 0 |
| 47 | 0 |
| 48 | 2.6 |
| 49 | 2.7 |
| 50 | 2.7 |
| 51 | 4 |
| 52 | 0 |
| 53 | 0 |
| 54 | 3.1 |
| 55 | 0 |
| 56 | 0 |
| 57 | 0 |
| 58 | 0 |
| 59 | 0 |
| 60 | 0 |
| 61 | 0 |
| 62 | 4.3 |
| 63 | 0 |
| 64 | 0 |
| 65 | 0 |
| 66 | 5.4 |

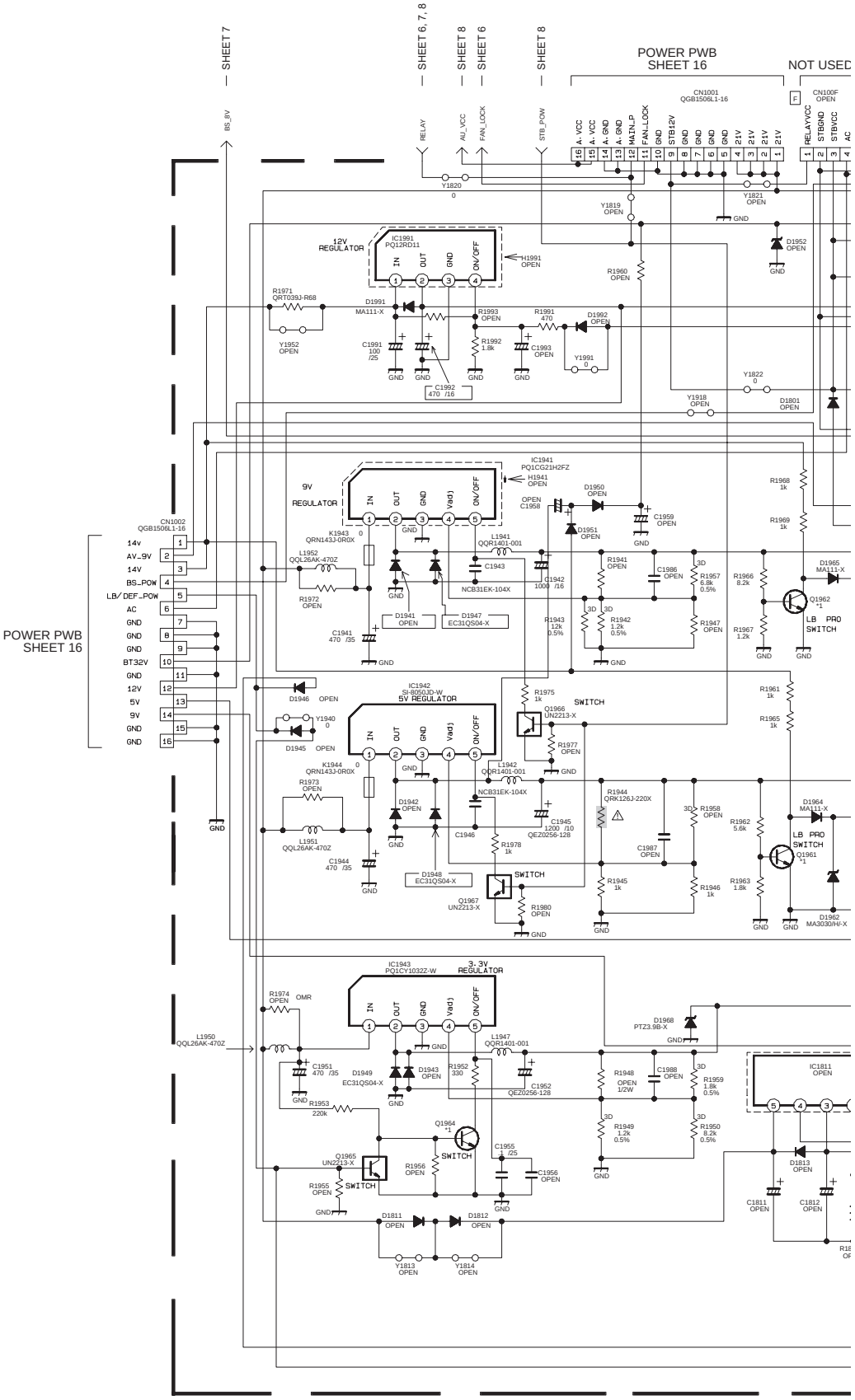
| MODE PIN NO. | DC (V) |
|---|---|
| 67 | 0 |
| 68 | 0 |
| 69 | 0 |
| 70 | 0 |
| 71 | 4.6 |
| 72 | 0 |
| 73 | 4.3 |
| 74 | 0 |
| 75 | 3.7 |
| 76 | 0 |
| 77 | 0 |
| 78 | 2.9 |
| 79 | 1.5 |
| 80 | 0 |
| 81 | 0 |
| 82 | 2.8 |
| 83 | 0.1 |
| 84 | 0 |
| 85 | 0.1 |
| 86 | 2.8 |
| 87 | 0 |
| 88 | 3.2 |
| 89 | 0 |
| 90 | 4.9 |
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 8.8 |
| 95 | 0 |
| 96 | 3.2 |
| 97 | 3 |
| 98 | 0.2 |
| 99 | 0.1 |
| 100 | 0 |
| 101 | 0 |
| 102 | 0 |
| 103 | 0 |
| 104 | 0 |
| 105 | 0 |
| 106 | 0 |
| 107 | 3.2 |
| 108 | 0 |
| 109 | 3.4 |
| 110 | 0 |
| 111 | 3.5 |
| 112 | 4.9 |
| 113 | 0 |
| 114 | 2.5 |
| 115 | 2.5 |
| 116 | 0 |
| 117 | 0 |
| 118 | 0 |
| 119 | 0 |
| 120 | 0 |
| IC1703 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 2.7 |
| 6 | 2.7 |
| 7 | 0 |
| 8 | 3.2 |
| Q1401 | |
| E | 0 |
| C | 0 |
| B | 0.6 |



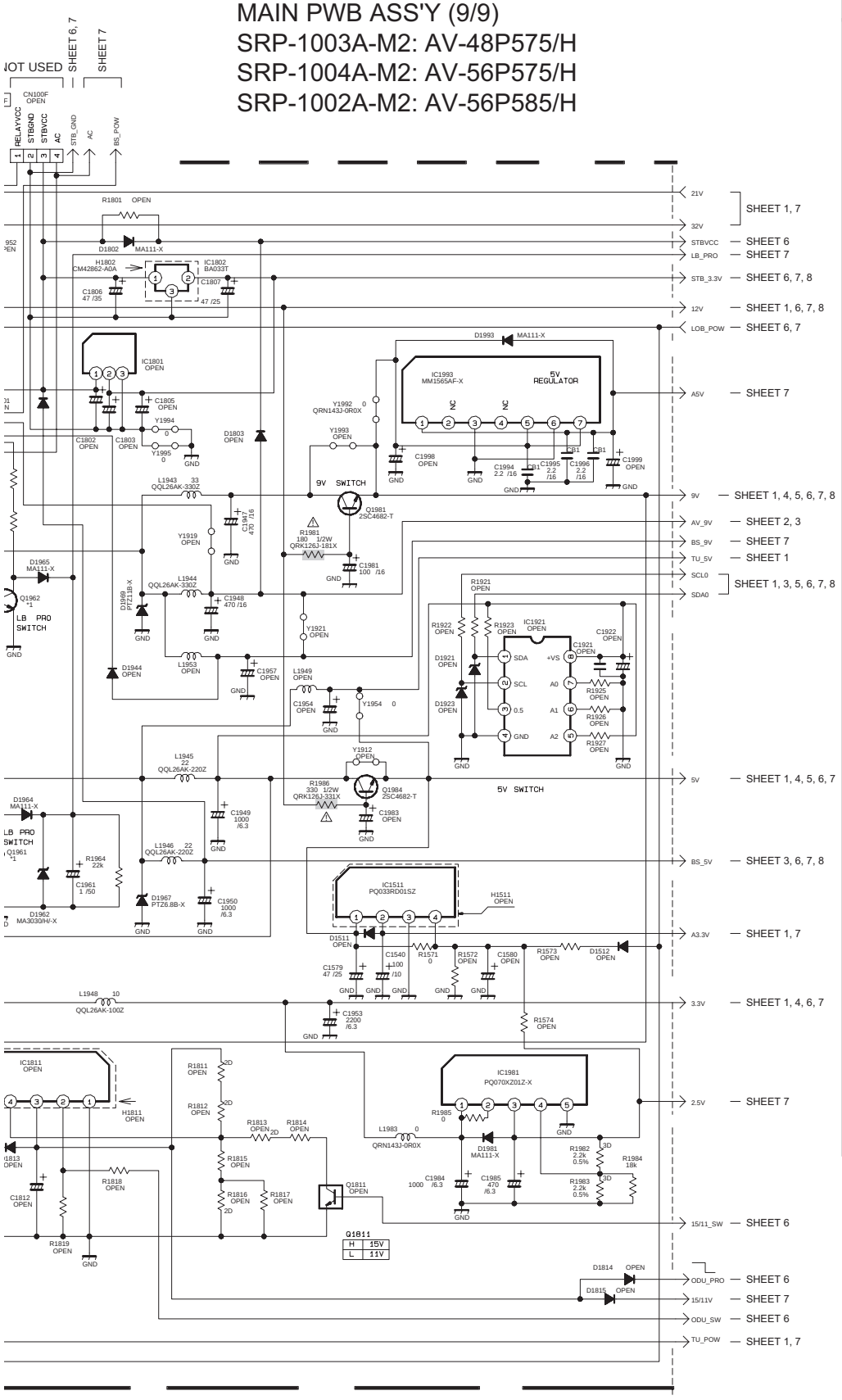

MAIN PWB ASS'Y (8/9)
SRP-1003A-M2: AV-48P575/H
SRP-1004A-M2: AV-56P575/H
SRP-1002A-M2: AV-56P585/H




| MODE PIN NO. | DC (V) |
|---|---|
| IC6001 | |
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 4.4 |
| 4 | NC |
| 5 | 4.4 |
| 6 | 9 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | NC |
| 11 | 4.4 |
| 12 | 4.4 |
| 13 | 4.4 |
| 14 | 4.4 |
| IC1641 | |
| 1 | 4.4 |
| 2 | 0 |
| 3 | 0 |
| 4 | 4.4 |
| 5 | 4.4 |
| 6 | 4.4 |
| 7 | 0 |
| 8 | 0 |
| 9 | 0 |
| 10 | 4.7 |
| 11 | 0 |
| 12 | 8.9 |
| 13 | 4.4 |
| 14 | 4.4 |
| 15 | 4.4 |
| 16 | 4.4 |
| 17 | 4.4 |
| 18 | 4.4 |
| 19 | 4.4 |
| 20 | 4.4 |
| IC1661 | |
| 1 | NC |
| 2 | 0 |
| 3 | 29.3 |
| 4 | 0 |
| 5 | 0 |
| 6 | NC |
| 7 | 14.5 |
| 8 | 0 |
| 9 | 0 |
| 10 | 30.9 |
| 11 | 10.2 |
| 12 | 14.5 |
| Q6001 | |
| E | 0 |
| C | 11.3 |
| B | 0 |
| Q6002 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q1668 | |
| E | 0 |
| C | 0 |
| B | 2.5 |
| Q1669 | |
| E | 0 |
| C | 4.6 |
| B | -0.4 |
| Q1671 | |
| E | 0 |
| C | 10.2 |
| B | 3.2 |
| Q1672 | |
| E | 0 |
| C | 11.6 |
| B | 0 |
| Q1673 | |
| E | 0 |
| C | 0 |
| B | 11.6 |
| Q1674 | |
| E | 0 |
| C | 3.2 |
| B | 0 |

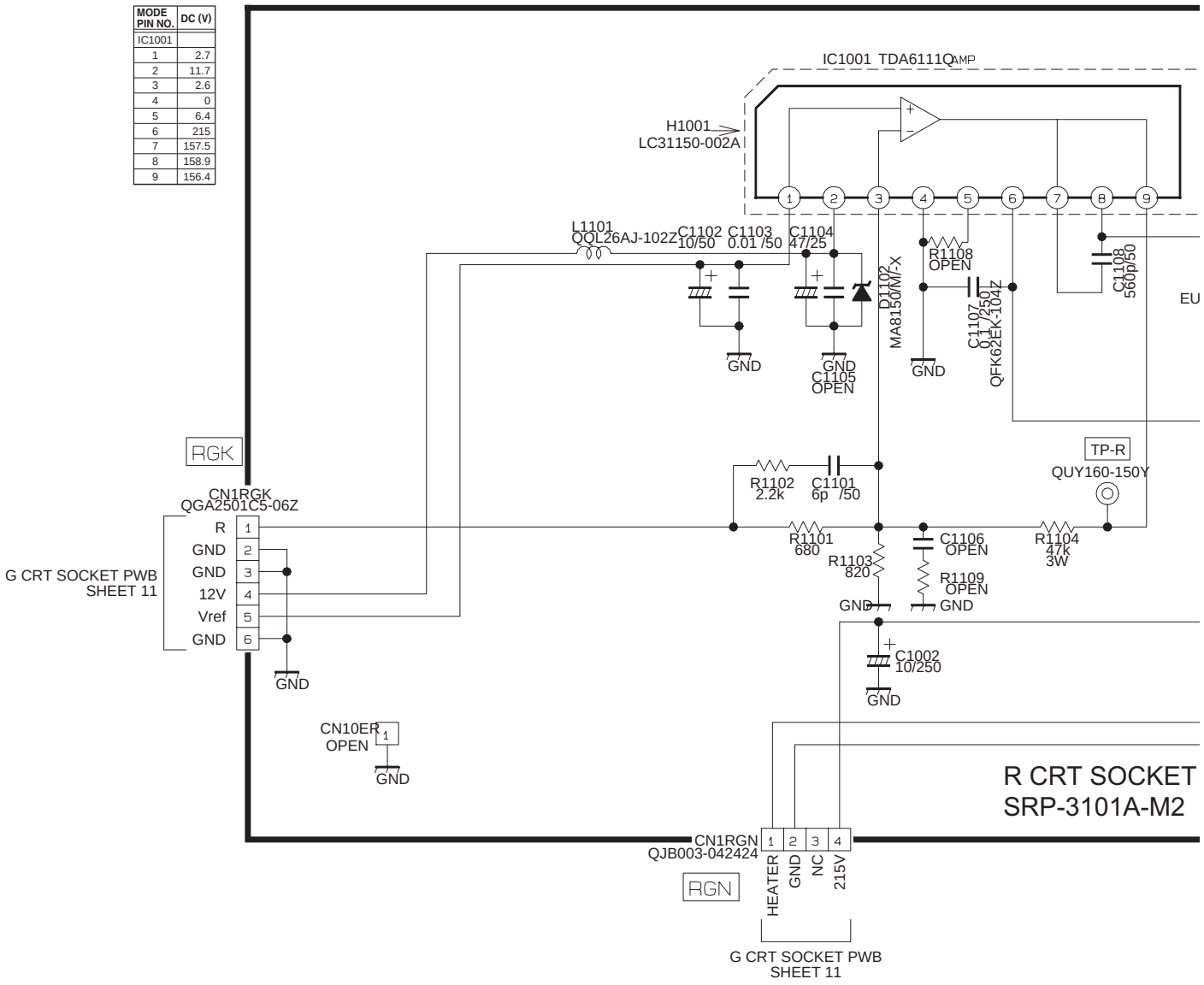

SHEET 7
SHEET 6, 7, 8
SHEET 8
SHEET 6
SHEET 8
POWER PWB
SHEET 16
NOT USED
CN1001
QGB1506L1-16
CN100F
OPEN
BS_8V
RELAY
AU_VCC
FAN_LOCK
STB_POW
A. VCC
A. VCC
A. GND
A. GND
MAIN_P
FAN_LOCK
GND
STB12V
RELAYVCC
STBGND
STBVCC
AC
12V
REGULATOR
IC1991
PQ12RD11
IN
OUT
GND
ON/OFF
9V
REGULATOR
IC1941
PQ1CG21H2FZ
Vadj
5V REGULATOR
IC1942
SI-8050JD-W
3.3V
REGULATOR
IC1943
PQ1CY1032Z-W
CN1002
QGB1506L1-16
14v
AV_9V
14V
BS_POW
LB/DEF_POW
AC
GND
BT32V
12V
5V
9V
POWER PWB
SHEET 16
SWITCH
LB PRO
SWITCH
OMR

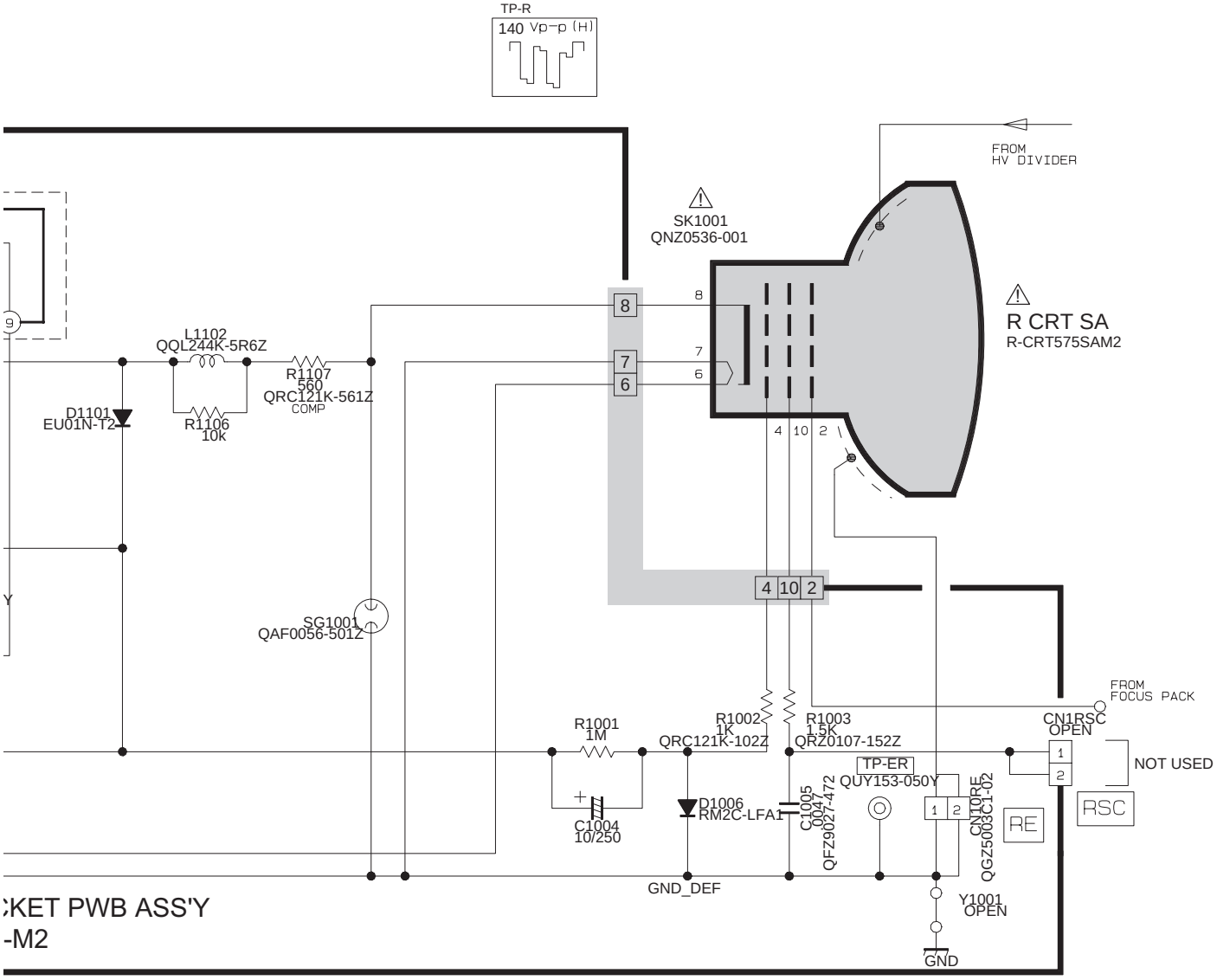
# MAIN PWB ASS'Y (9/9)
# SRP-1003A-M2: AV-48P575/H
# SRP-1004A-M2: AV-56P575/H
# SRP-1002A-M2: AV-56P585/H

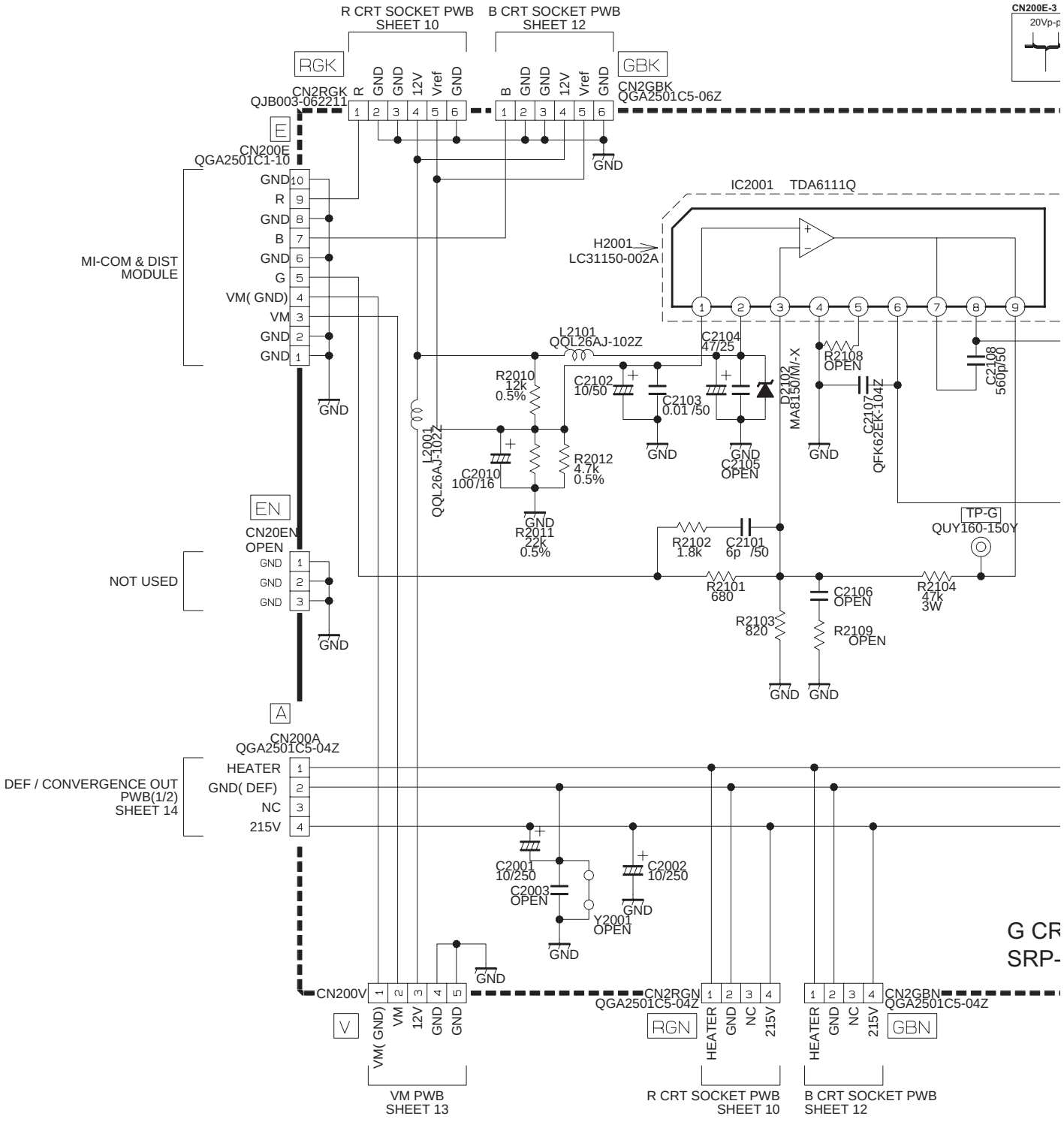


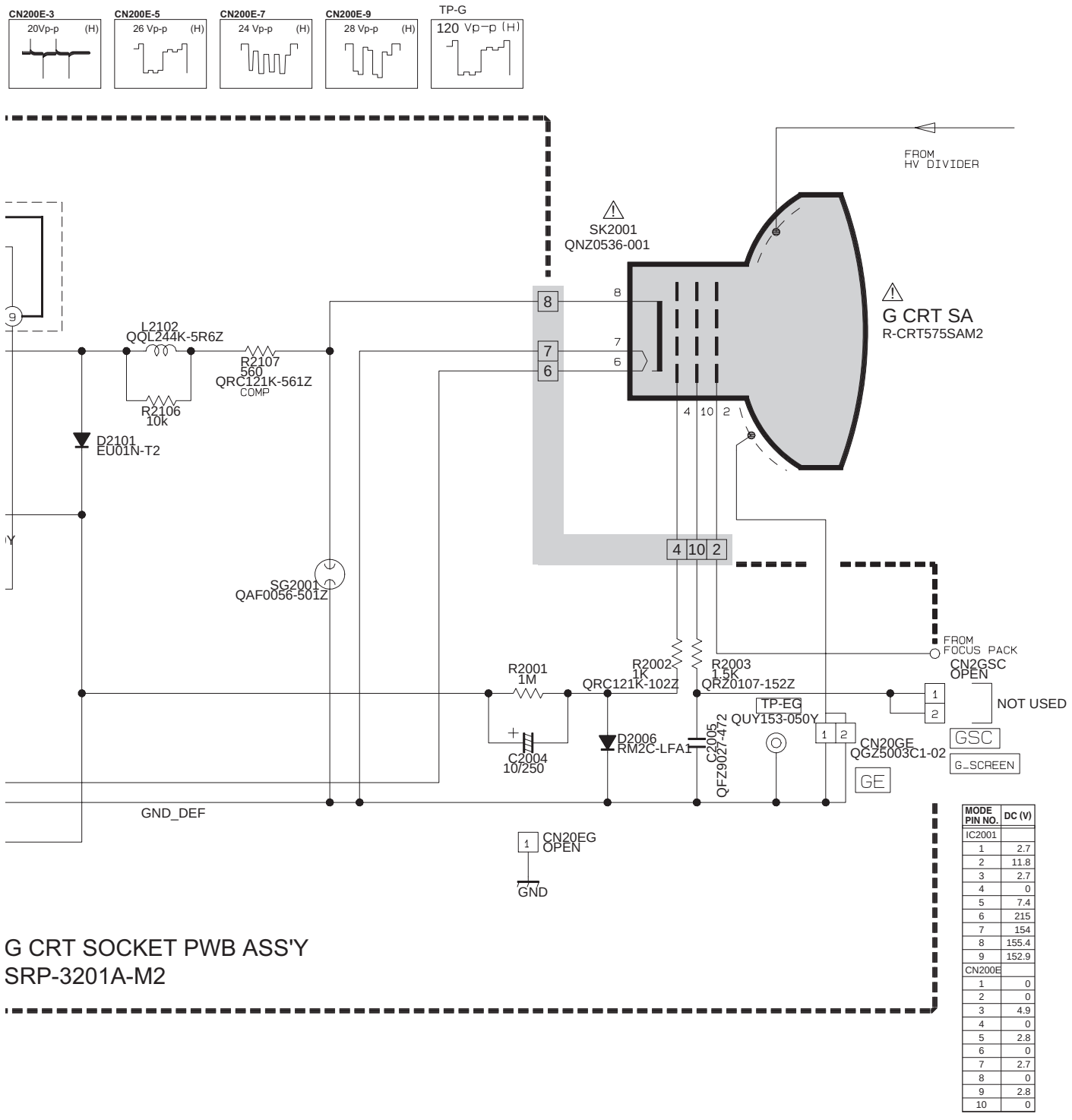

| MODE PIN NO. | DC (V) |
|---|---|
| IC1511 | |
| 1 | 5 |
| 2 | 3.2 |
| 3 | 0 |
| 4 | 5 |
| IC1802 | |
| 1 | 13.2 |
| 2 | 3.2 |
| 3 | 0 |
| IC1941 | |
| 1 | 29.2 |
| 2 | 9.2 |
| 3 | 0 |
| 4 | 0 |
| 5 | 6.7 |
| IC1942 | |
| 1 | 28.9 |
| 2 | 5.3 |
| 3 | 0 |
| 4 | 4.9 |
| 5 | 2.2 |
| IC1943 | |
| 1 | 28.8 |
| 2 | 3.6 |
| 3 | 0 |
| 4 | 1.2 |
| 5 | 6.7 |
| IC1981 | |
| 1 | 3.2 |
| 2 | 3.2 |
| 3 | 2.5 |
| 4 | 1.1 |
| 5 | 0 |
| IC1991 | |
| 1 | 13.9 |
| 2 | 11.8 |
| 3 | 0 |
| 4 | 2.4 |
| IC1993 | |
| 1 | 4.9 |
| 2 | NC |
| 3 | 0 |
| 4 | NC |
| 5 | 8.9 |
| 6 | 0 |
| 7 | 8.9 |
| Q1961 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q1962 | |
| E | 0 |
| C | 0 |
| B | 0.5 |
| Q1964 | |
| E | 0 |
| C | 6.7 |
| B | 0 |
| Q1965 | |
| E | 0 |
| C | 0 |
| B | 3.1 |
| Q1966 | |
| E | 0 |
| C | 6.7 |
| B | 0 |
| Q1967 | |
| E | 0 |
| C | 2.2 |
| B | 0 |
| Q1981 | |
| E | 8.9 |
| C | 8.9 |
| B | 9.6 |
| Q1984 | |
| E | 5 |
| C | 5 |
| B | 5.8 |

| MODE PIN NO. | DC (V) |
|---|---|
| IC1001 | |
| 1 | 2.7 |
| 2 | 11.7 |
| 3 | 2.6 |
| 4 | 0 |
| 5 | 6.4 |
| 6 | 215 |
| 7 | 157.5 |
| 8 | 158.9 |
| 9 | 156.4 |




TP-R
140 Vp-p (H)
FROM
HV DIVIDER
SK1001
QNZ0536-001
R CRT SA
R-CRT575SAM2
L1102
QQL244K-5R6Z
R1107
560
QRC121K-561Z
COMP
D1101
EU01N-T2
R1106
10k
SG1001
QAF0056-501Z
R1001
1M
R1002
1K
QRC121K-102Z
R1003
1.5K
QRZ0107-152Z
C1004
10/250
D1006
RM2C-LFA1
C1005
.027
QFZ9027-472
TP-ER
QUY153-050Y
CN1RSC
OPEN
FROM
FOCUS PACK
NOT USED
RSC
RE
CN10RE
QGZ5003C1-02
Y1001
OPEN
GND
GND_DEF
CKET PWB ASS'Y
-M2

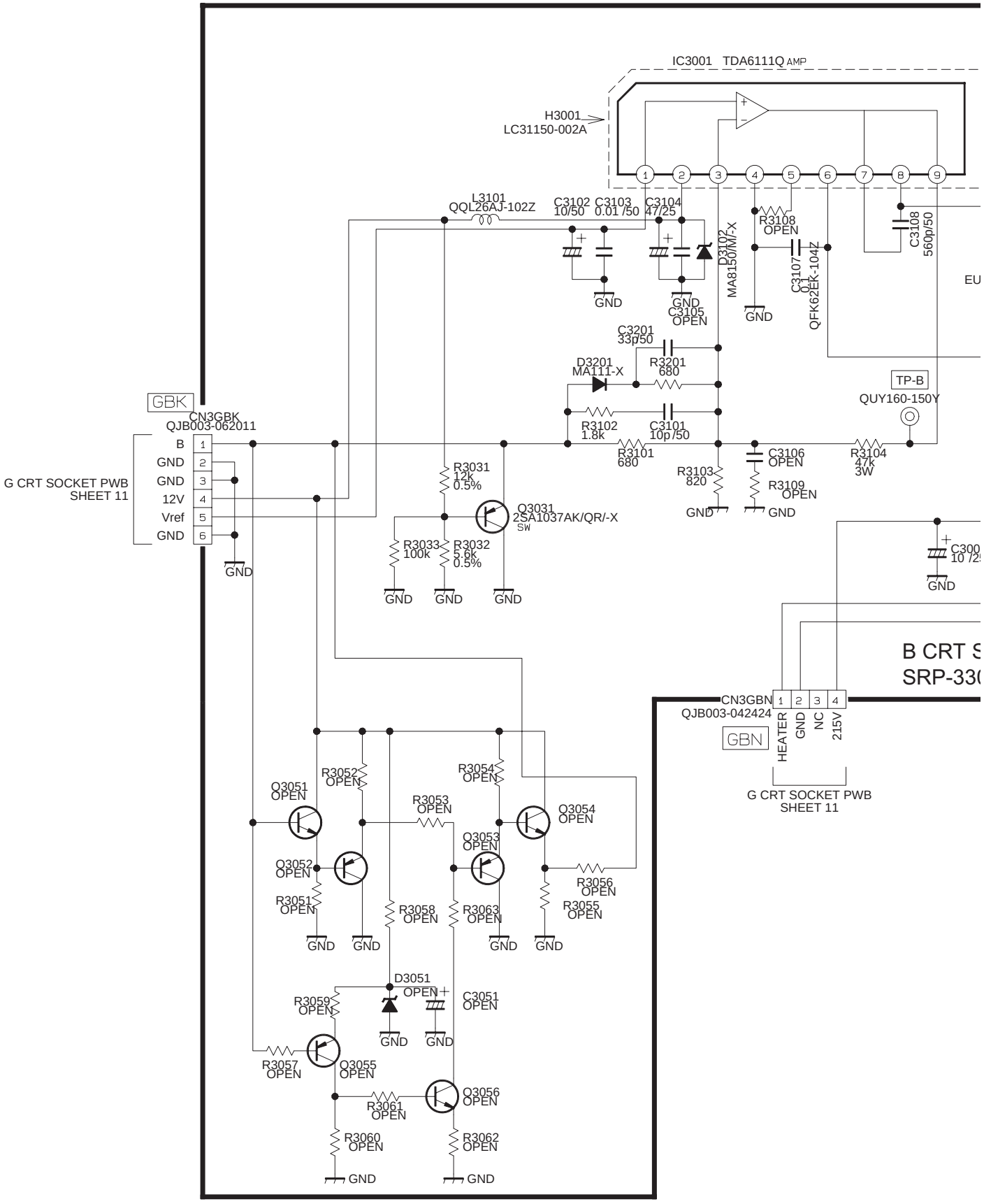

R CRT SOCKET PWB
SHEET 10
B CRT SOCKET PWB
SHEET 12
CN200E-3
20Vp-p
RGK
GBK
CN2RGK
QJB003-062211
CN2GBK
QGA2501C5-06Z
R
GND
12V
Vref
B
E
CN200E
QGA2501C1-10
MI-COM & DIST
MODULE
VM( GND)
VM
G
IC2001 TDA6111Q
H2001
LC31150-002A
L2101
QQL26AJ-102Z
C2104
47/25
R2108
OPEN
C2108
560p/50
R2010
12k
0.5%
C2102
10/50
C2103
0.01 /50
D2102
MA8150/M/-X
C2107
QFK62EK-104Z
L2001
QQL26AJ-102Z
C2010
100/16
R2012
4.7k
0.5%
C2105
OPEN
R2011
22k
0.5%
EN
CN20EN
OPEN
NOT USED
TP-G
QUY160-150Y
R2102
1.8k
C2101
6p /50
R2101
680
R2104
47k
3W
C2106
OPEN
R2103
820
R2109
OPEN
A
CN200A
QGA2501C5-04Z
DEF / CONVERGENCE OUT
PWB(1/2)
SHEET 14
HEATER
GND( DEF)
NC
215V
C2001
10/250
C2003
OPEN
C2002
10/250
Y2001
OPEN
CN200V
CN2RGN
QGA2501C5-04Z
CN2GBN
QGA2501C5-04Z
V
RGN
GBN
VM( GND)
VM
12V
VM PWB
SHEET 13
R CRT SOCKET PWB
SHEET 10
B CRT SOCKET PWB
SHEET 12

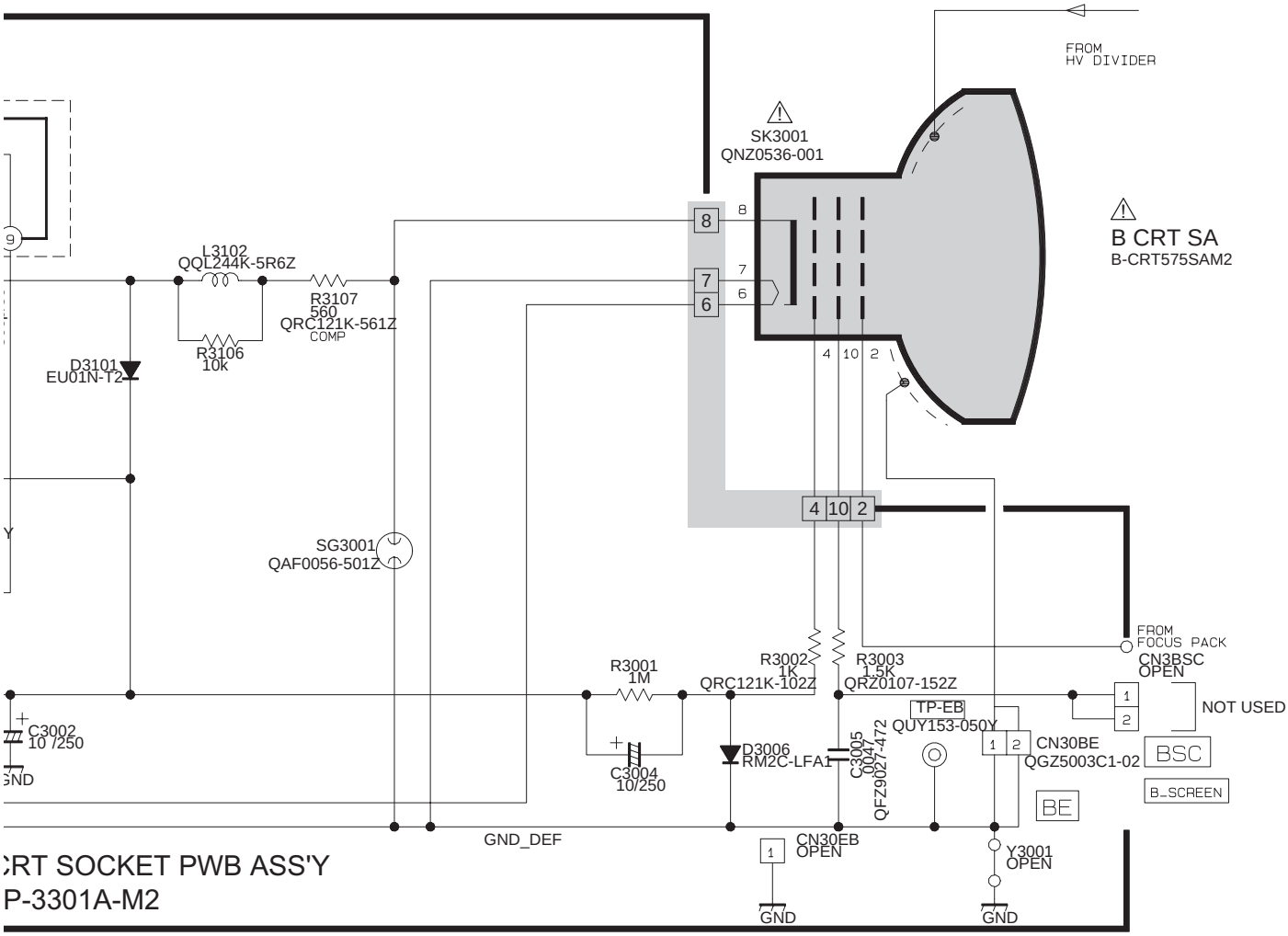



G CRT SOCKET PWB ASS'Y
SRP-3201A-M2

| MODE PIN NO. | DC (V) |
|---|---|
| IC2001 | |
| 1 | 2.7 |
| 2 | 11.8 |
| 3 | 2.7 |
| 4 | 0 |
| 5 | 7.4 |
| 6 | 215 |
| 7 | 154 |
| 8 | 155.4 |
| 9 | 152.9 |
| CN200E | |
| 1 | 0 |
| 2 | 0 |
| 3 | 4.9 |
| 4 | 0 |
| 5 | 2.8 |
| 6 | 0 |
| 7 | 2.7 |
| 8 | 0 |
| 9 | 2.8 |
| 10 | 0 |

*B CRT SOCKET PWB CIRCUIT DIAGRAM SHEET 12*

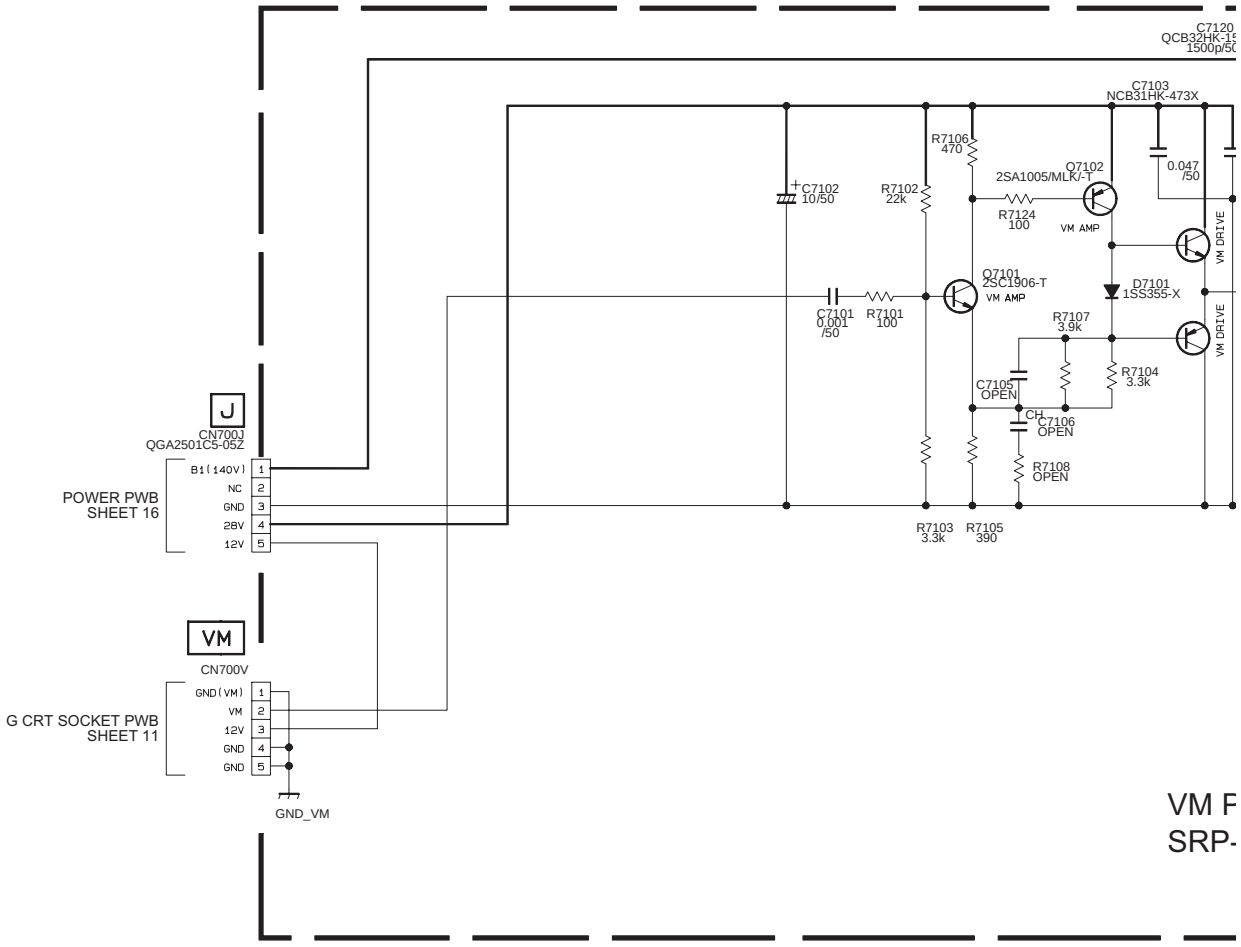


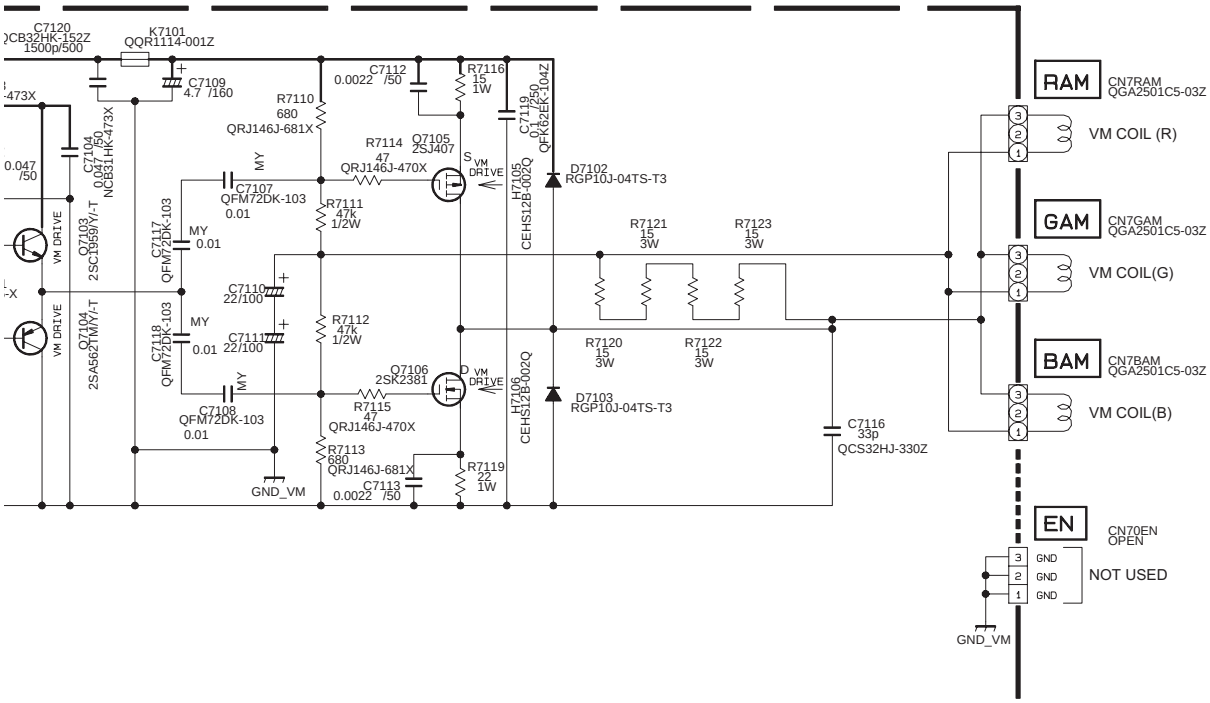



TP-B

140 Vp-p (H)

| MODE PIN NO. | DC (V) |
|---|---|
| IC3001 | |
| 1 | 2.7 |
| 2 | 11.8 |
| 3 | 2.7 |
| 4 | 0 |
| 5 | 6.6 |
| 6 | 215 |
| 7 | 153.6 |
| 8 | 154.6 |
| 9 | 152.6 |
| Q3031 | |
| E | 2.7 |
| C | 0 |
| B | 3.4 |

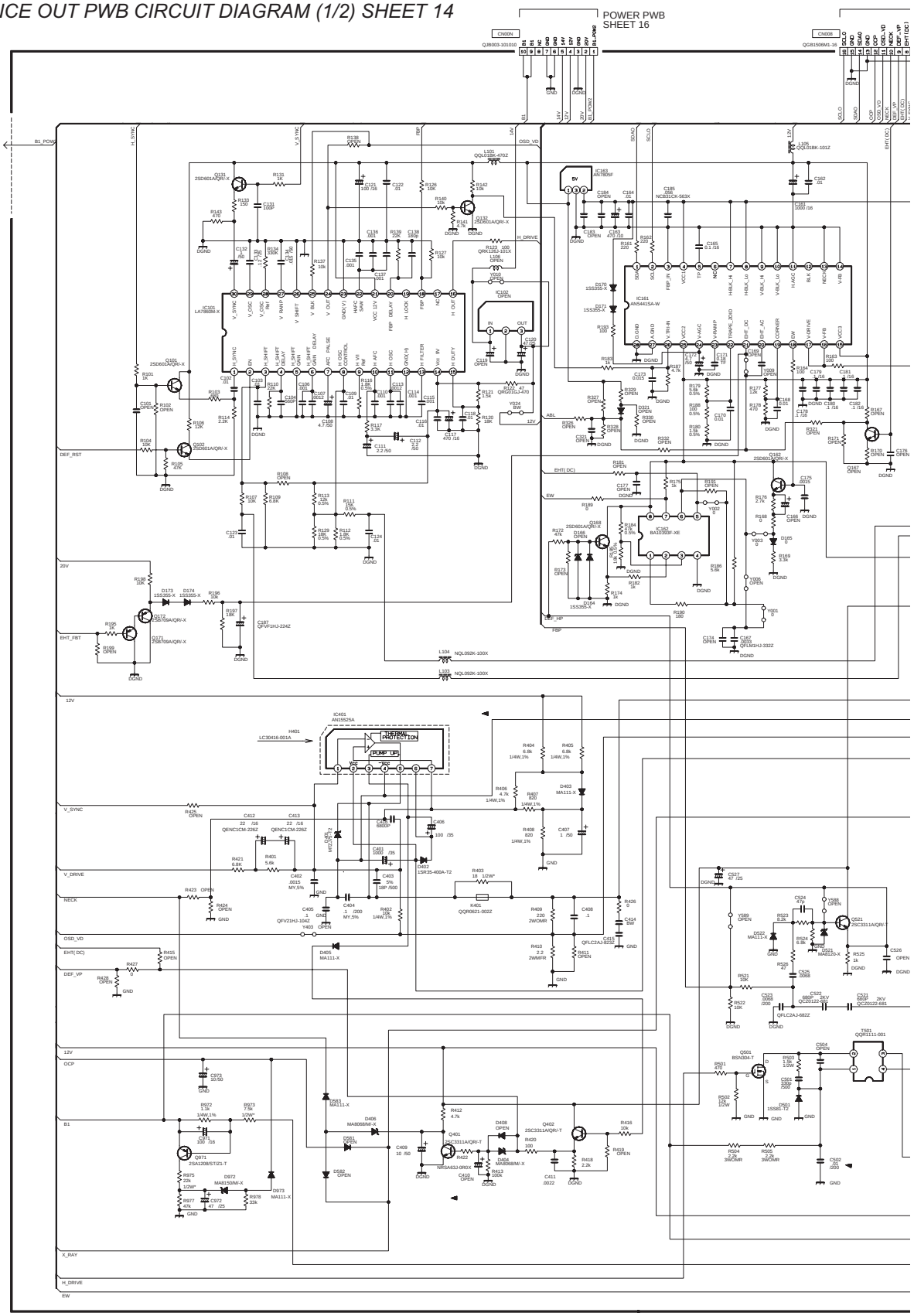

C7120
QCB32HK-1
1500p/5
C7103
NCB31HK-473X
R7106
470
C7102
10/50
R7102
22k
Q7102
2SA1005/MLK/-T
0.047
/50
R7124
100
VM AMP
VM DRIVE
Q7101
2SC1906-T
VM AMP
D7101
1SS355-X
C7101
0.001
/50
R7101
100
R7107
3.9k
VM DRIVE
C7105
OPEN
R7104
3.3k
CH
C7106
OPEN
R7108
OPEN
R7103
3.3k
R7105
390
J
CN700J
QGA2501C5-05Z
B1(140V)
NC
GND
28V
12V
POWER PWB
SHEET 16
VM
CN700V
GND(VM)
VM
12V
GND
GND
G CRT SOCKET PWB
SHEET 11
GND_VM
VM F
SRP-




| MODE PIN NO. | DC (V) |
|---|---|
| Q7101 | |
| E | 1.1 |
| C | 6 |
| B | 1.7 |
| Q7102 | |
| E | 5.3 |
| C | 11.7 |
| B | 6 |
| Q7103 | |
| E | 3.2 |
| C | 5.3 |
| B | 11.7 |
| Q7104 | |
| E | 3.2 |
| C | 0 |
| B | 1.1 |
| Q7105 | |
| S | 130 |
| D | 66.4 |
| G | 127.2 |
| Q7106 | |
| S | 2.7 |
| D | 66.4 |
| G | 3.2 |

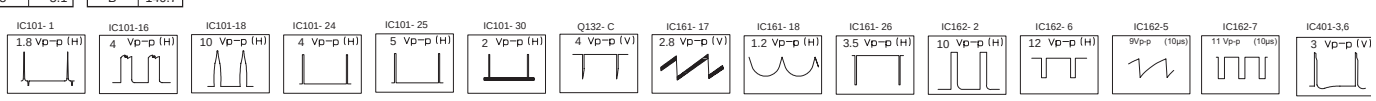
VM PWB ASS'Y
SRP-7201A-M2

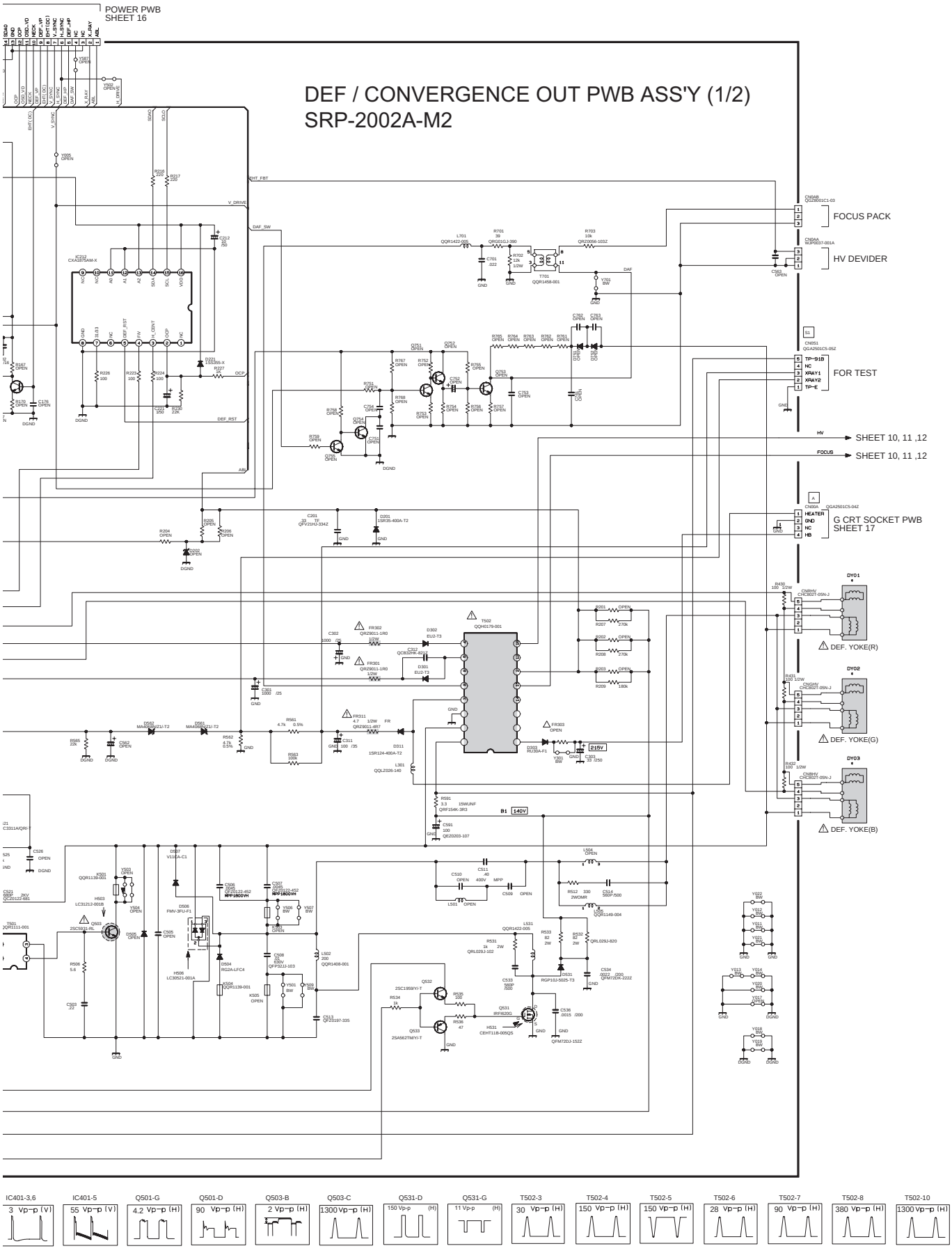
# DEF / CONVERGENCE OUT PWB CIRCUIT DIAGRAM (1/2) SHEET 14



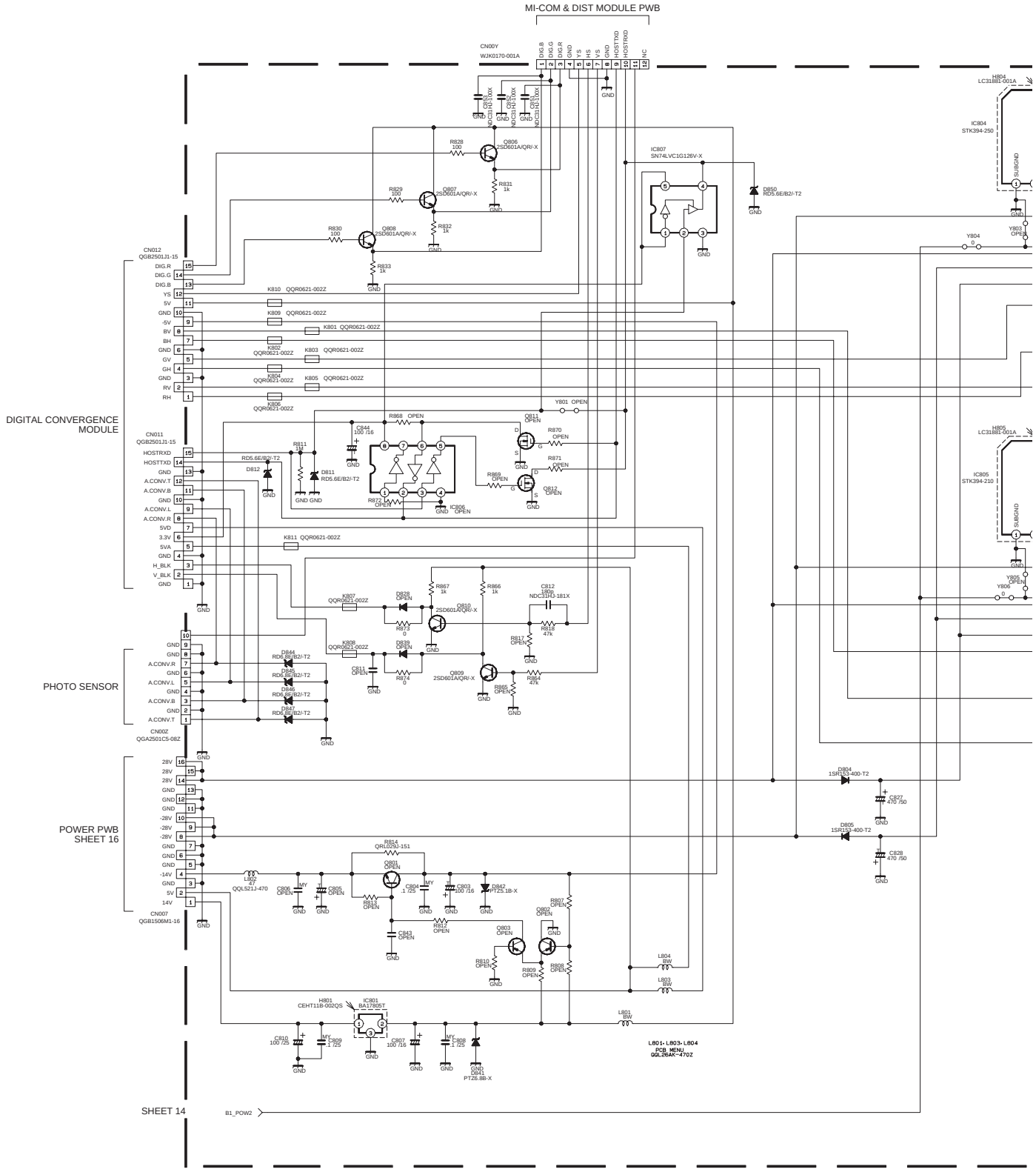

| MODE PIN NO. | DC (V) |
|---|---|
| IC101 | |
| 1 | 4.6 |
| 2 | 0.3 |
| 3 | 0.9 |
| 4 | 7.3 |
| 5 | 0 |
| 6 | 8.1 |
| 7 | 5.2 |
| 8 | 1.2 |
| 9 | 2.1 |
| 10 | 6.5 |
| 11 | 5.8 |
| 12 | 0 |
| 13 | 8.2 |
| 14 | 0 |
| 15 | 8.3 |
| 16 | 1.9 |
| 17 | NC |
| 18 | 0.7 |
| 19 | NC |
| 20 | 7 |
| 21 | 11.6 |
| 22 | 5.9 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0.1 |
| 26 | 0 |
| 27 | 1.9 |
| 28 | 5.9 |
| 29 | 5.3 |
| 30 | 5.73 |
| IC161 | |
| 1 | 4 |
| 2 | 4.4 |
| 3 | 0 |
| 4 | 4.8 |
| 5 | 8.9 |
| 6 | NC |
| 7 | 4.8 |
| 8 | 4.8 |
| 9 | 0 |
| 10 | 0 |
| 11 | 0 |
| 12 | NC |
| 13 | 0 |
| 14 | 0 |
| 15 | 11.6 |
| 16 | 5 |
| 17 | 5 |
| 18 | 4.8 |
| 19 | 0.3 |
| 20 | 2.8 |
| 21 | 6.7 |
| 22 | 2.5 |
| 23 | 1.2 |
| 24 | 6.1 |
| 25 | 11.6 |
| 26 | 3.3 |
| 27 | 0 |
| 28 | 0 |
| IC212 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 3.3 |
| 5 | 0.2 |
| 6 | NC |
| 7 | 0 |
| 8 | 0 |
| 9 | NC |
| 10 | NC |
| 11 | 0 |
| 12 | 0 |
| 13 | 4.8 |
| 14 | 4.5 |
| 15 | 4.2 |
| 16 | 4.8 |
| IC162 | |
| 1 | 4.9 |
| 2 | 0 |
| Q971 | |
| 3 | 3.1 |
| 4 | 0 |
| 5 | 5.1 |

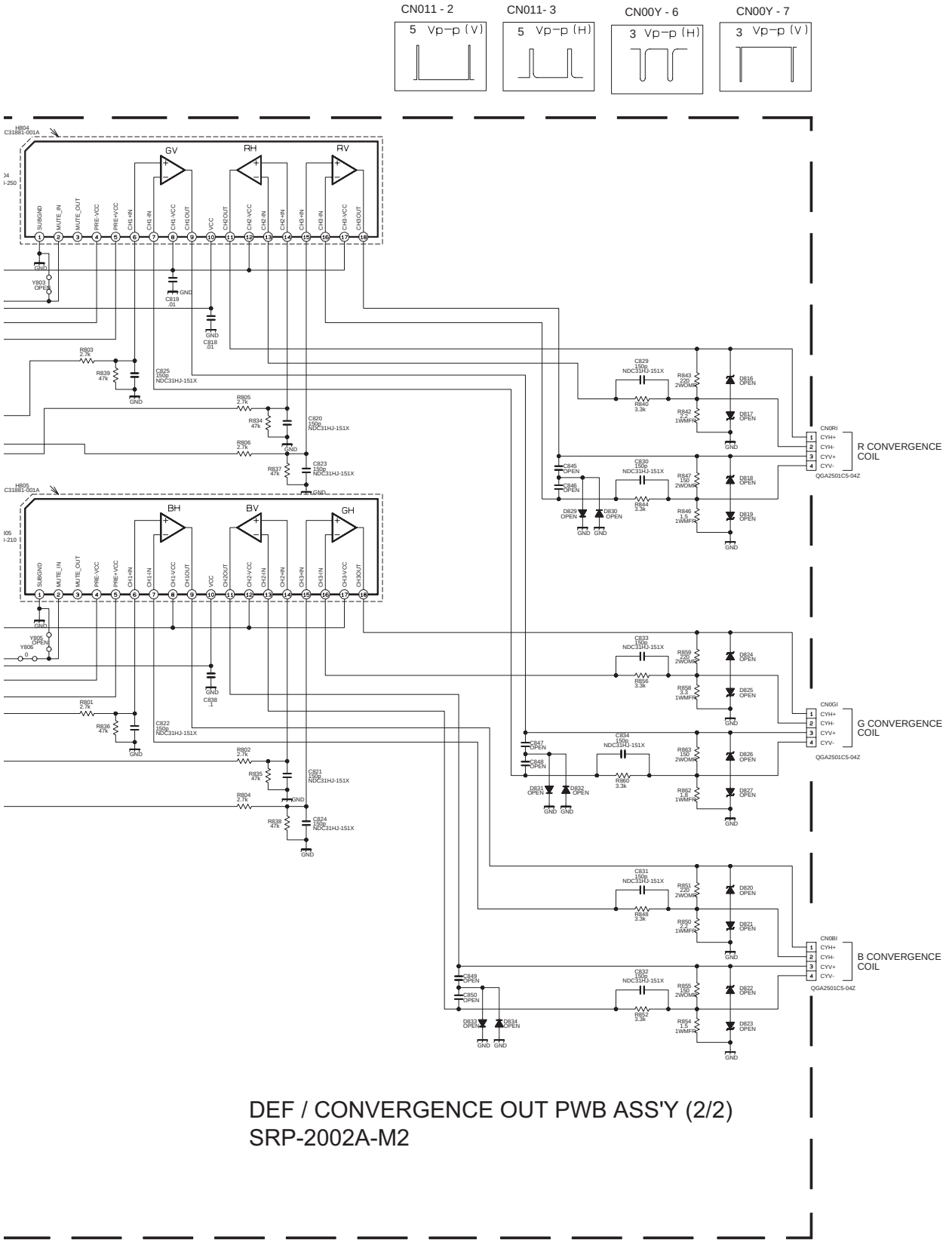
| MODE PIN NO. | DC (V) |
|---|---|
| 6 | 2.5 |
| 7 | 3.3 |
| 8 | 11.6 |
| IC163 | |
| 1 | 11.7 |
| 2 | 0 |
| 3 | 4.8 |
| IC401 | |
| 1 | 0 |
| 2 | -13.9 |
| 3 | -0.5 |
| 4 | 12.9 |
| 5 | 2.2 |
| 6 | 2.2 |
| 7 | 14 |
| Q0101 | |
| E | 0 |
| C | 11.6 |
| B | 0 |
| Q0102 | |
| E | 0.3 |
| C | 11.6 |
| B | 0 |
| Q131 | |
| E | 0 |
| C | 11.7 |
| B | 0 |
| Q132 | |
| E | 0 |
| C | 4 |
| B | 0 |
| Q162 | |
| E | 4.2 |
| C | 11.7 |
| B | 4.8 |
| Q168 | |
| E | 1.2 |
| C | 11.7 |
| B | 1.5 |
| Q171 | |
| E | 8.7 |
| C | 0 |
| B | 9.4 |
| Q172 | |
| E | 10.8 |
| C | 0 |
| B | 8.7 |
| Q401 | |
| E | 0 |
| C | 2.1 |
| B | -0.2 |
| Q402 | |
| E | 0.1 |
| C | 11.8 |
| B | -2.1 |
| Q501 | |
| S | 0 |
| D | 37.1 |
| G | 1.8 |
| Q503 | |
| E | 0 |
| C | 218 |
| B | 0 |
| Q521 | |
| E | 1.5 |
| C | 11.8 |
| B | 1.7 |
| Q531 | |
| S | 0 |
| D | 28.6 |
| G | 9.3 |
| Q532 | |
| E | 9.3 |
| C | 11.8 |
| B | 9.3 |
| Q533 | |
| E | 9.3 |
| C | 0 |
| B | 9.3 |
| Q971 | |
| E | 141 |
| C | 0 |
| B | 140.7 |




POWER PWB
SHEET 16
DEF / CONVERGENCE OUT PWB ASS'Y (1/2)
SRP-2002A-M2
FOCUS PACK
HV DEVIDER
FOR TEST
SHEET 10, 11 ,12
SHEET 10, 11 ,12
G CRT SOCKET PWB
SHEET 17
DEF. YOKE(R)
DEF. YOKE(G)
DEF. YOKE(B)
140V
215V


IC401-3,6
3 Vp-p (V)
IC401-5
55 Vp-p (V)
Q501-G
4.2 Vp-p (H)
Q501-D
90 Vp-p (H)
Q503-B
2 Vp-p (H)
Q503-C
1300 Vp-p (H)
Q531-D
150 Vp-p (H)
Q531-G
11 Vp-p (H)
T502-3
30 Vp-p (H)
T502-4
150 Vp-p (H)
T502-5
150 Vp-p (H)
T502-6
28 Vp-p (H)
T502-7
90 Vp-p (H)
T502-8
380 Vp-p (H)
T502-10
1300 Vp-p (H)

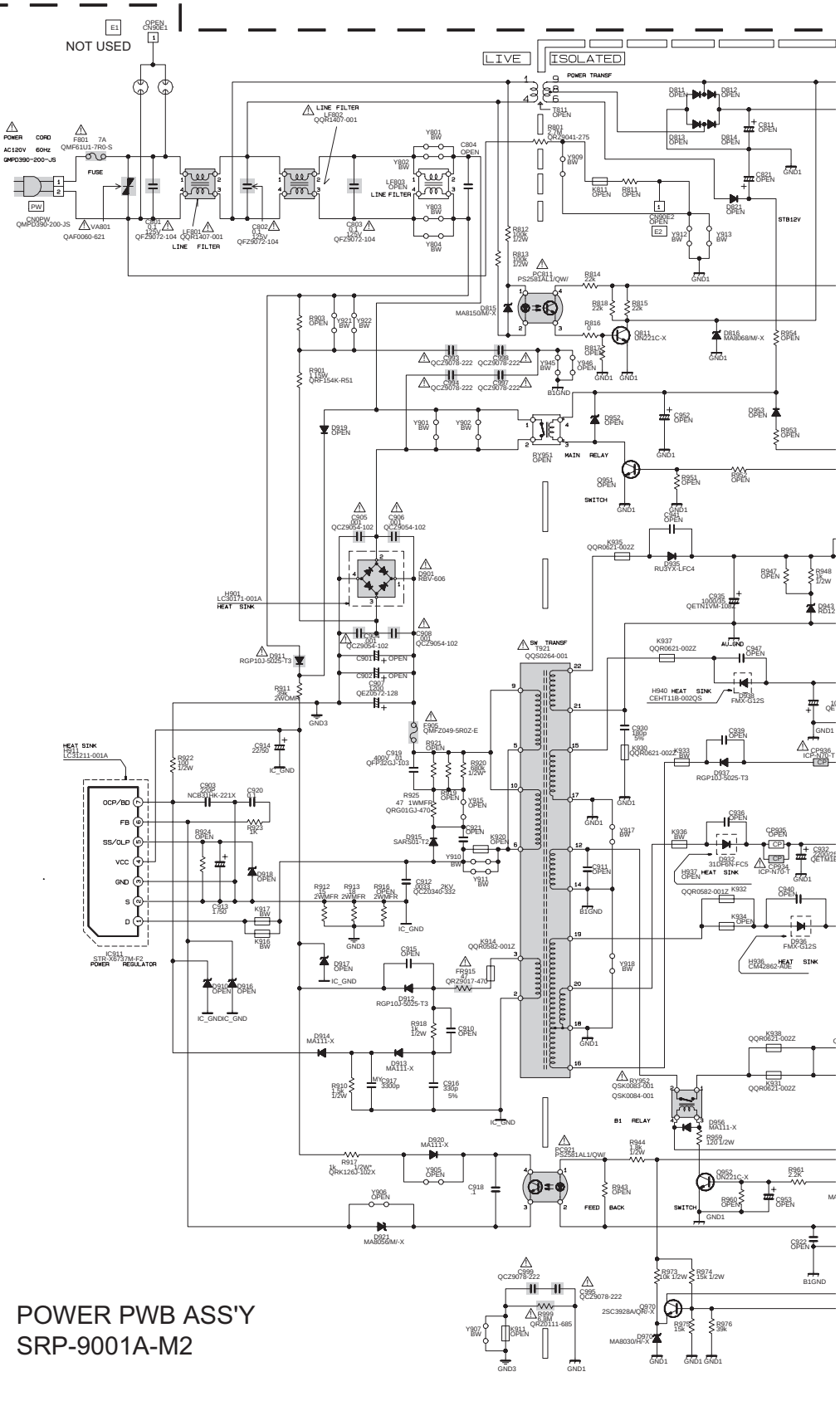

MI-COM & DIST MODULE PWB
DIGITAL CONVERGENCE MODULE
PHOTO SENSOR
POWER PWB SHEET 16
SHEET 14
B1_POW2
L801・L803・L804
PCB MEN1
QQL25AK-470Z

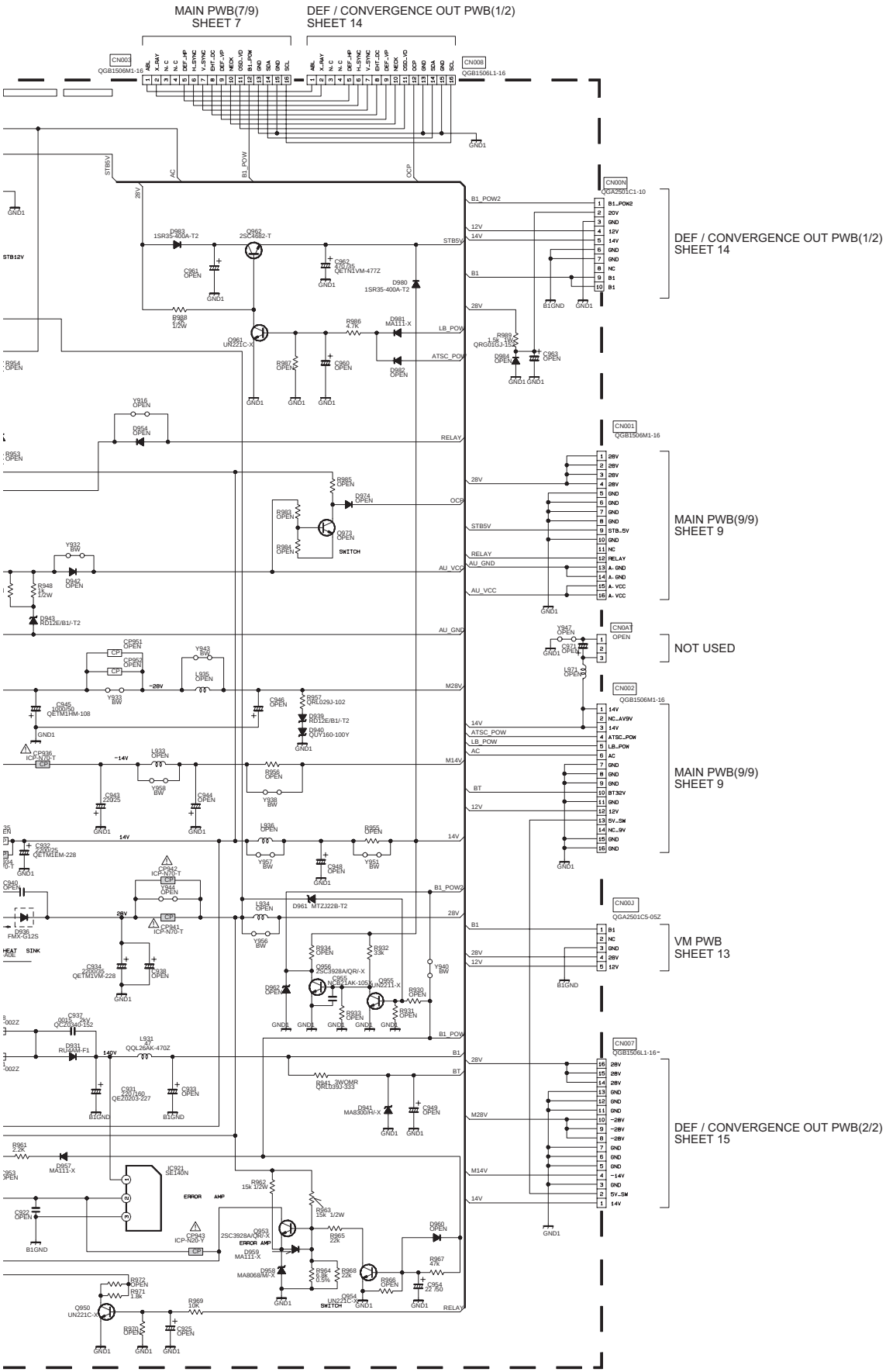


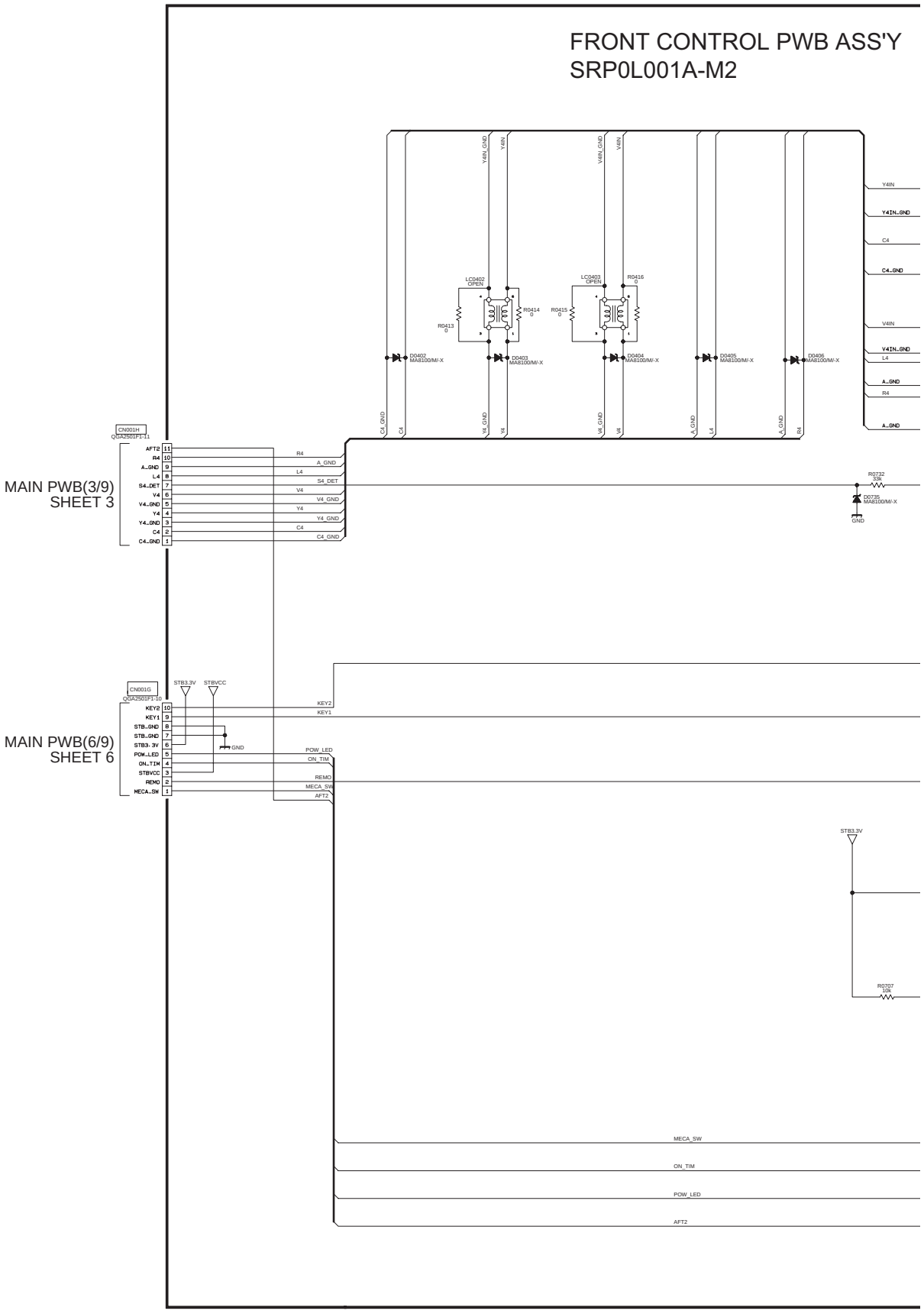

DEF / CONVERGENCE OUT PWB ASS'Y (2/2)
SRP-2002A-M2

| MODE PIN NO. | DC (V) |
|---|---|
| IC801 | |
| 1 | 14.1 |
| 2 | 4.8 |
| 3 | 0 |
| IC804 | |
| 1 | 0 |
| 2 | 2.8 |
| 3 | -28.2 |
| 4 | -29.2 |
| 5 | 28.5 |
| 6 | 0.1 |
| 7 | 0.1 |
| 8 | -29.8 |
| 9 | 0.1 |
| 10 | 29.1 |
| 11 | 0.6 |
| 12 | -29.8 |
| 13 | 0.4 |
| 14 | 0.4 |
| 15 | 0.1 |
| 16 | 0.1 |
| 17 | -29.8 |
| 18 | 0.1 |
| IC805 | |
| 1 | 0 |
| 2 | 2.7 |
| 3 | -28.2 |
| 4 | -29.2 |
| 5 | 28.5 |
| 6 | -0.2 |
| 7 | -0.2 |
| 8 | -29.8 |
| 9 | -0.2 |
| 10 | 29.2 |
| 11 | 0.1 |
| 12 | -29.8 |
| 13 | 0.1 |
| 14 | 0.1 |
| 15 | 0.2 |
| 16 | 0.2 |
| 17 | -29.8 |
| 18 | 0.3 |
| IC807 | |
| 1 | 3.2 |
| 2 | 0 |
| 3 | 0 |
| 4 | 3.2 |
| 5 | 3.2 |
| Q806 | |
| E | 0 |
| C | 4.8 |
| B | 0 |
| Q807 | |
| E | 4.8 |
| C | 0 |
| B | 0 |
| Q808 | |
| E | 0 |
| C | 4.9 |
| B | 0 |
| Q809 | |
| E | 0 |
| C | 0.1 |
| B | 0.5 |
| Q810 | |
| E | 0 |
| C | 0.7 |
| B | 0.3 |
| CN00Y | |
| 1 | 0 |
| 2 | 4.8 |
| 3 | 0 |
| 4 | 0 |
| 5 | 0 |
| 6 | 0.3 |
| 7 | 0.5 |
| 8 | 0 |
| 9 | 3.2 |
| 10 | 3.2 |
| 11 | 0 |
| 12 | NC |
| CN011 | |
| 1 | 0 |
| 2 | 0.2 |
| 3 | 0.8 |
| 4 | 0 |
| 5 | 5 |
| 6 | 3.3 |
| 7 | 5 |
| 8 | 0 |
| 9 | 0.1 |
| 10 | 0 |
| 11 | 0 |
| 12 | 0.1 |
| 13 | 0 |
| 14 | 3.2 |
| 15 | 3.2 |
| CN012 | |
| 1 | 0.5 |
| 2 | 0.1 |
| 3 | 0 |
| 4 | 0.3 |
| 5 | 0.1 |
| 6 | 0 |
| 7 | -0.2 |
| 8 | 0.1 |
| 9 | -5.3 |
| 10 | 0 |
| 11 | 4.8 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |

| MODE PIN NO. | DC (V) |
|---|---|
| IC921 | |
| 1 | 141.2 |
| 2 | 0 |
| 3 | 0 |
| PC811 | |
| 1 | 51.6 |
| 2 | 5.6 |
| 3 | -0.2 |
| 4 | 0 |
| PC921 | |
| 1 | 28.2 |
| 2 | 27.7 |
| 3 | 6.7 |
| 4 | 19.7 |
| Q811 | |
| E | 0 |
| C | 0 |
| B | -0.2 |
| Q950 | |
| E | 0 |
| C | 0 |
| B | 0.5 |
| Q952 | |
| E | 0 |
| C | 0 |
| B | 0.7 |
| Q953 | |
| E | 0 |
| C | 0 |
| B | 0 |
| Q954 | |
| E | 0 |
| C | 0 |
| B | 0.5 |
| Q970 | |
| E | 2.7 |
| C | 27.1 |
| B | 2.7 |
| Q961 | |
| E | 0 |
| C | 0 |
| B | 0.6 |
| Q962 | |
| E | 13.2 |
| C | 29.7 |
| B | 0 |

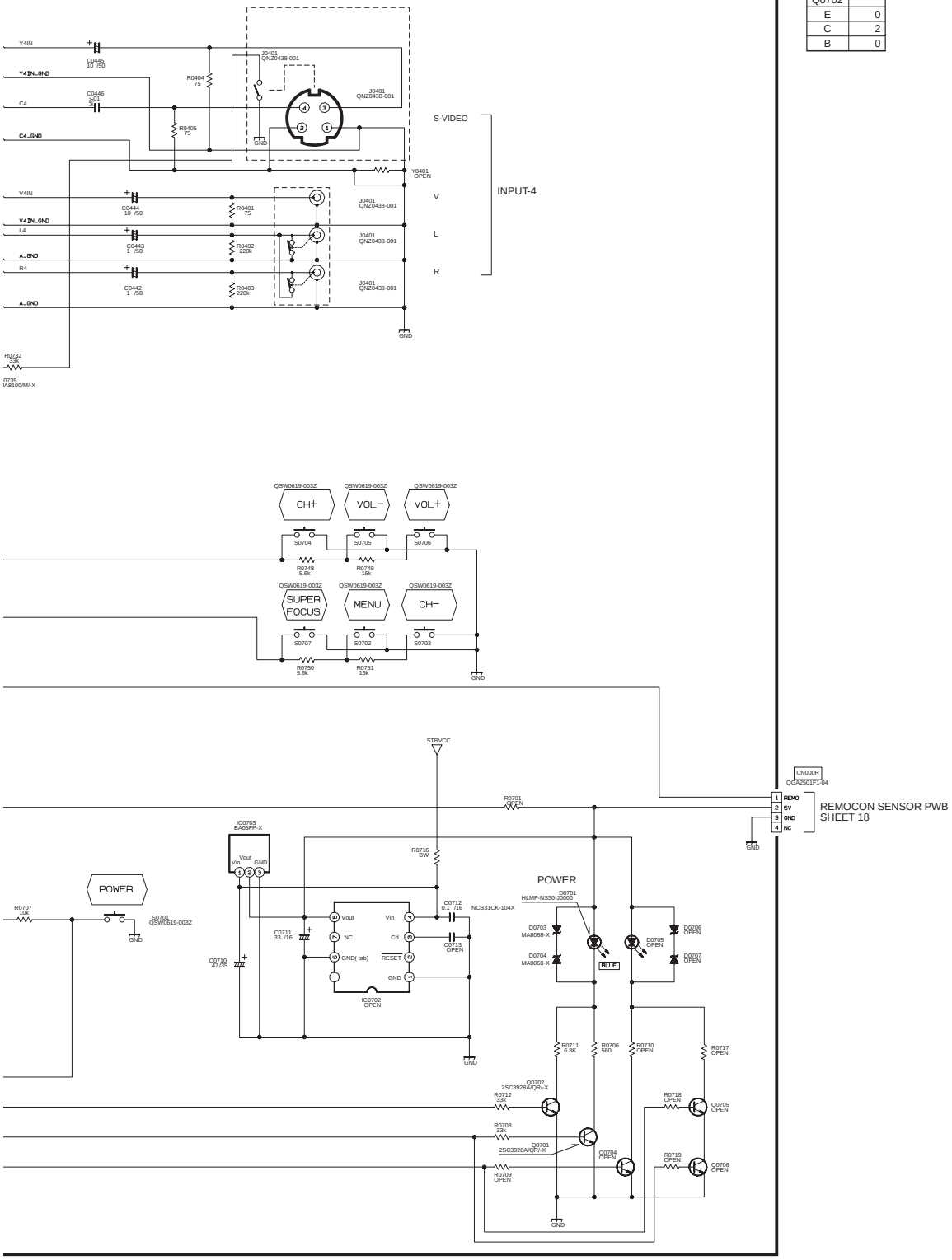


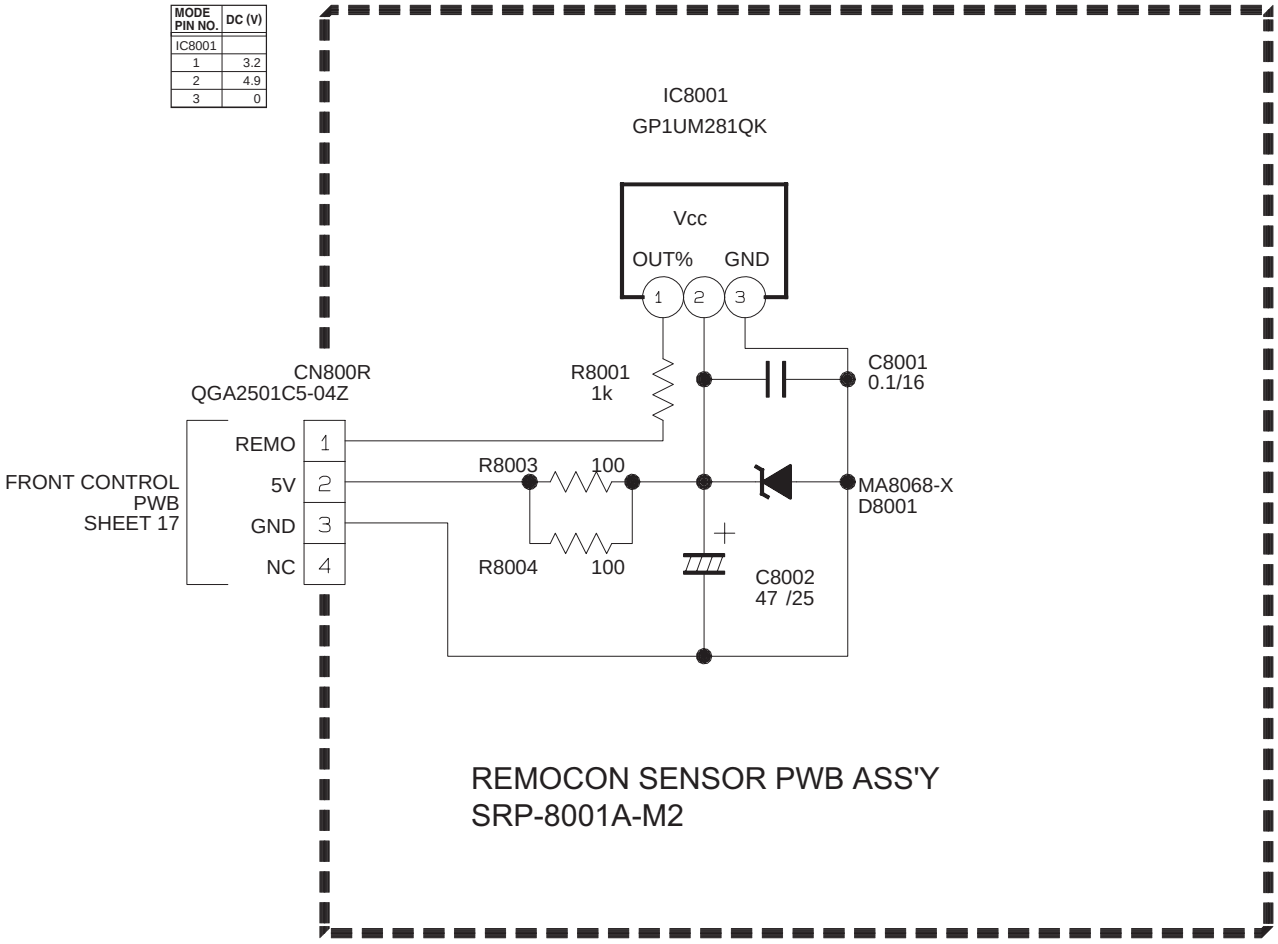

MAIN PWB(7/9)
SHEET 7
DEF / CONVERGENCE OUT PWB(1/2)
SHEET 14
CN003
QGB1506M1-16
CN008
QGB1506L1-16
CN00N
QGA2501C1-10
DEF / CONVERGENCE OUT PWB(1/2)
SHEET 14
CN001
QGB1506M1-16
MAIN PWB(9/9)
SHEET 9
CN0A1
OPEN
NOT USED
CN002
QGB1506M1-16
MAIN PWB(9/9)
SHEET 9
CN00J
QGA2501C5-05Z
VM PWB
SHEET 13
CN007
QGB1506L1-16
DEF / CONVERGENCE OUT PWB(2/2)
SHEET 15
STB5V
AC
B1_POW
OCP
28V
B1_POW2
12V
14V
STB5V
B1
28V
LB_POW
ATSC_POW
RELAY
OCP
STB5V
RELAY
AU_GND
AU_VCC
AU_GND
M28V
14V
ATSC_POW
LB_POW
AC
BT
12V
14V
B1_POW2
28V
B1
28V
12V
B1
BT
M28V
M14V
14V
B1_POW
RELAY
ERROR AMP
SWITCH
GND1
B1GND


FRONT CONTROL PWB ASS'Y
SRP0L001A-M2
MAIN PWB(3/9)
SHEET 3
MAIN PWB(6/9)
SHEET 6
CN001H
QGA2501F1-11
CN001G
QGA2501F1-10
LC0402
OPEN
LC0403
OPEN
R0413
0
R0414
0
R0415
0
R0416
0
D0402
MA8100/M/-X
D0403
MA8100/M/-X
D0404
MA8100/M/-X
D0405
MA8100/M/-X
D0406
MA8100/M/-X
R0732
33k
D0735
MA8100/M/-X
R0707
10k
GND
STB3.3V
STBVCC
Y4IN
Y4IN_GND
C4
C4_GND
V4
V4_GND
A_GND
L4
R4
S4_DET
KEY1
KEY2
STB_GND
POW_LED
ON_TIM
REMO
MECA_SW
AFT2

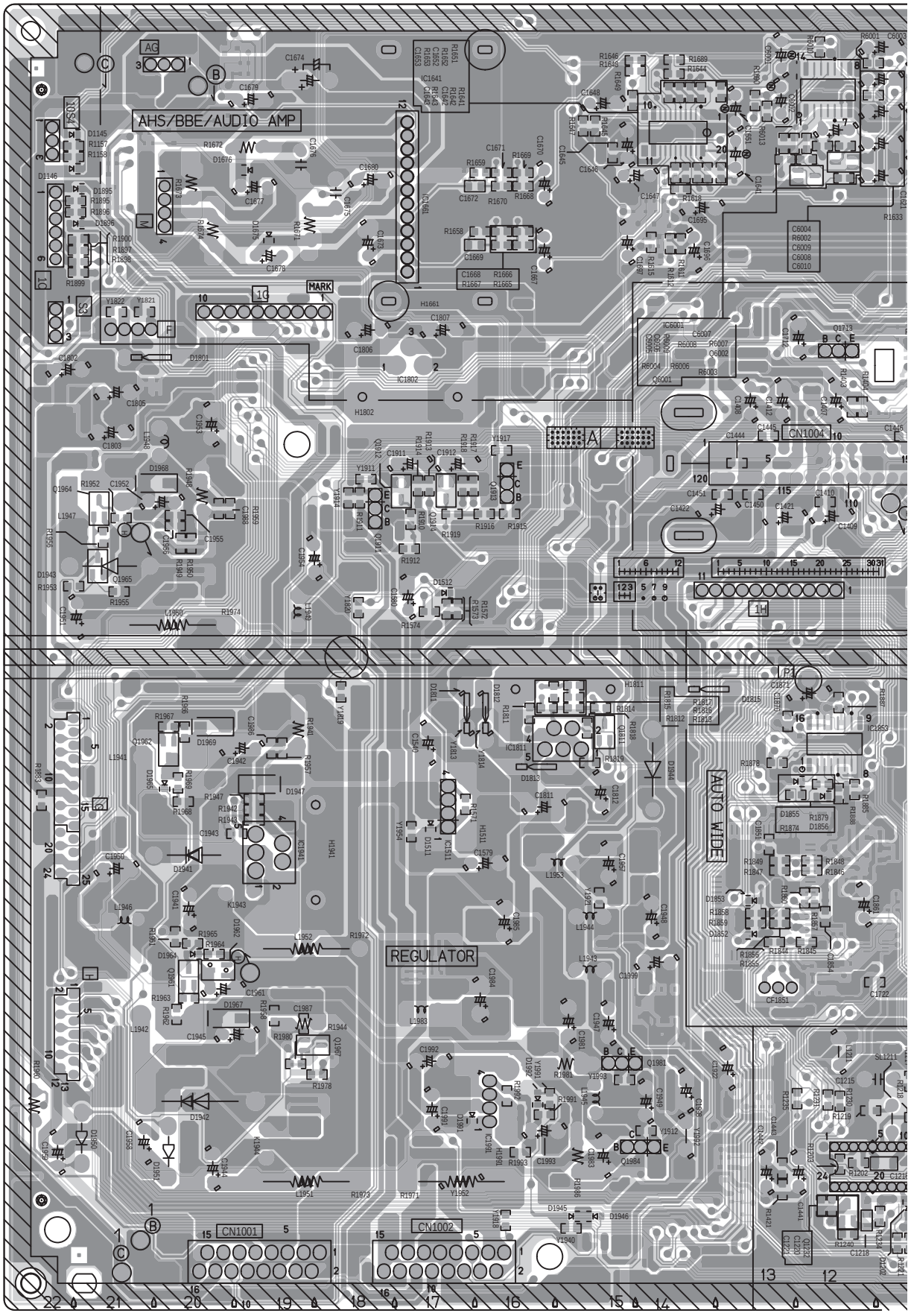
S'Y

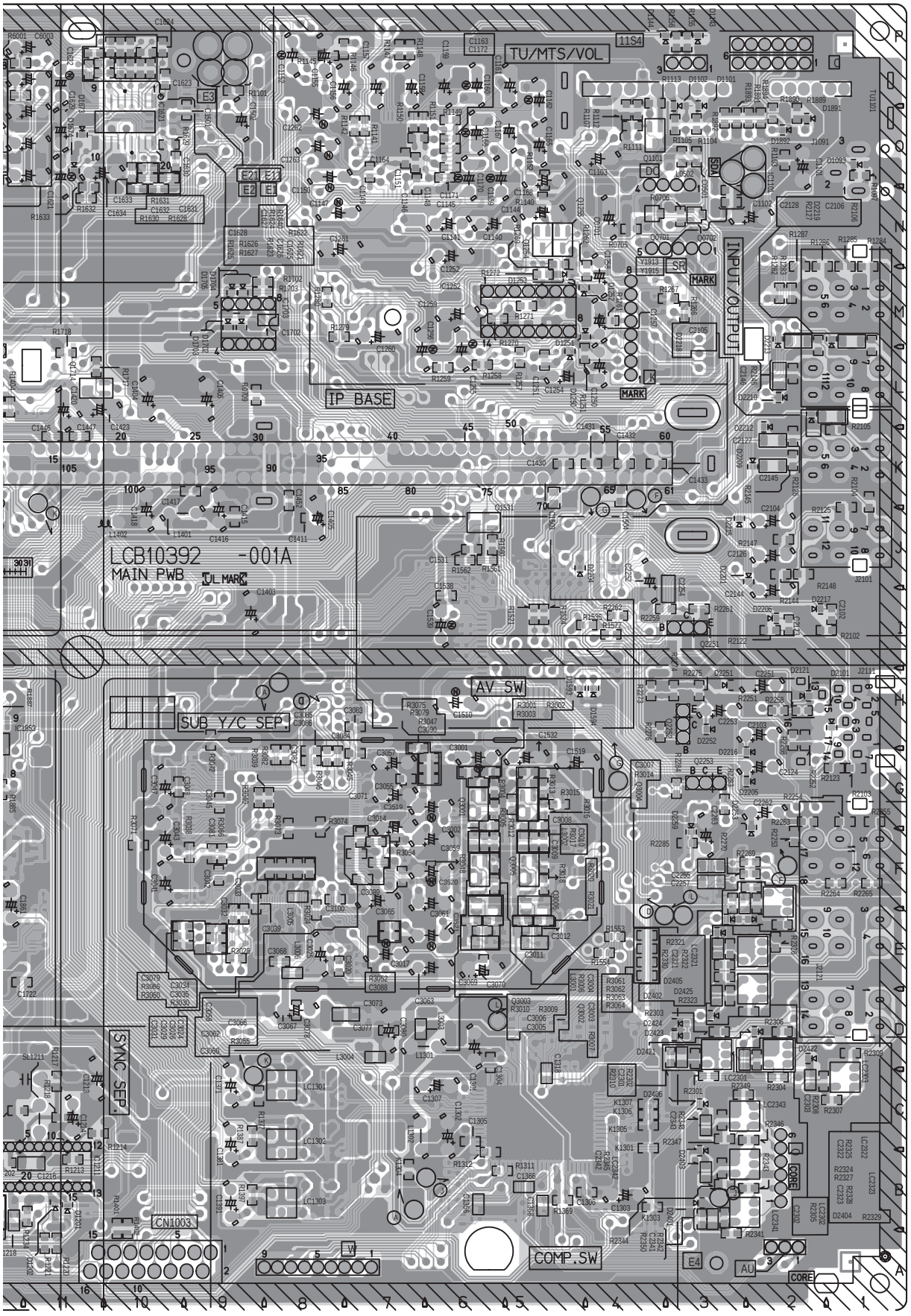
| MODE PIN NO. | DC (V) |
|---|---|
| IC0703 | |
| 1 | 12.5 |
| 2 | 4.9 |
| 3 | 0 |
| Q0701 | |
| E | 0 |
| C | 0.1 |
| B | 0.6 |
| Q0702 | |
| E | 0 |
| C | 2 |
| B | 0 |



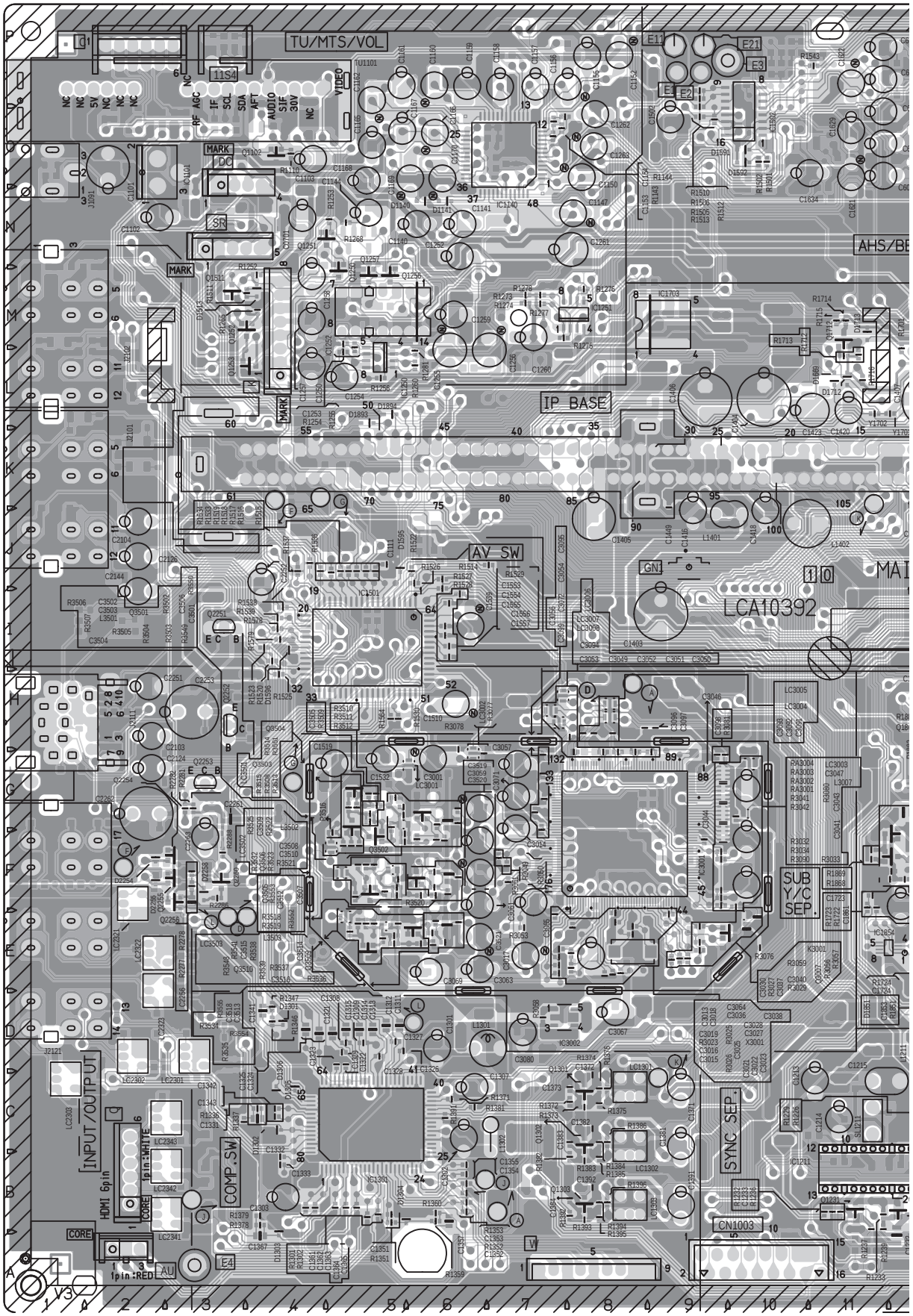

MODE
PIN NO.
DC (V)
IC8001
1 3.2
2 4.9
3 0
IC8001
GP1UM281QK
Vcc
OUT%
GND
1
2
3
CN800R
QGA2501C5-04Z
R8001
1k
C8001
0.1/16
REMO
5V
GND
NC
1
2
3
4
FRONT CONTROL
PWB
SHEET 17
R8003
100
R8004
100
MA8068-X
D8001
C8002
47 /25
REMOCON SENSOR PWB ASS'Y
SRP-8001A-M2

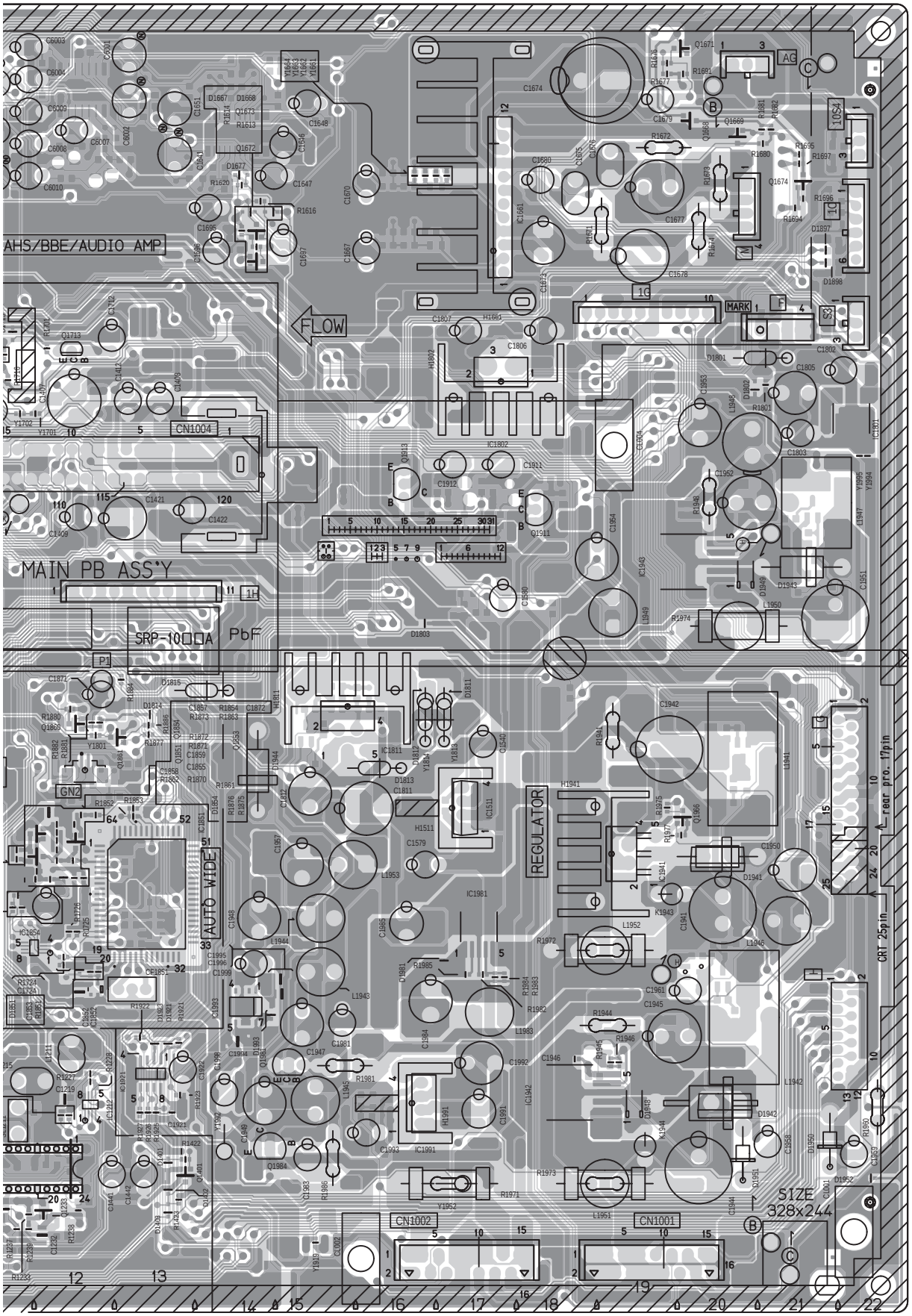
## PATTERN DIAGRAMS *MAIN PWB PATTERN [SOLDER SIDE]*



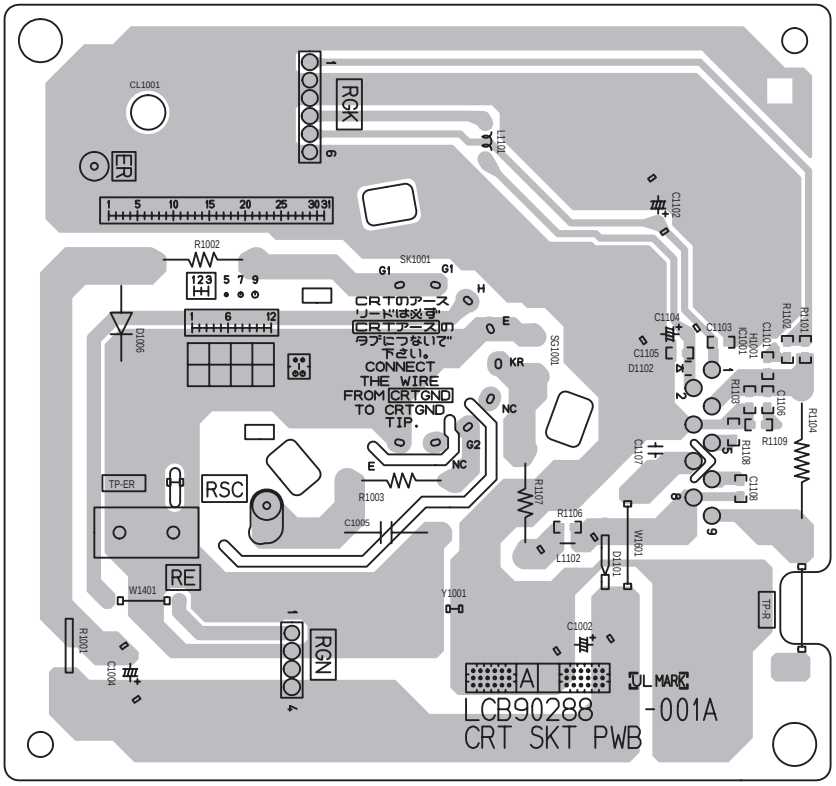

LCB10392 -001A
MAIN PWB
TU/MTS/VOL
IP BASE
INPUT/OUTPUT
AV SW
SUB Y/C SEP.
SYNC SEP.
COMP.SW
CN1003
CORE

*MAIN PWB PATTERN [PARTS SIDE]*



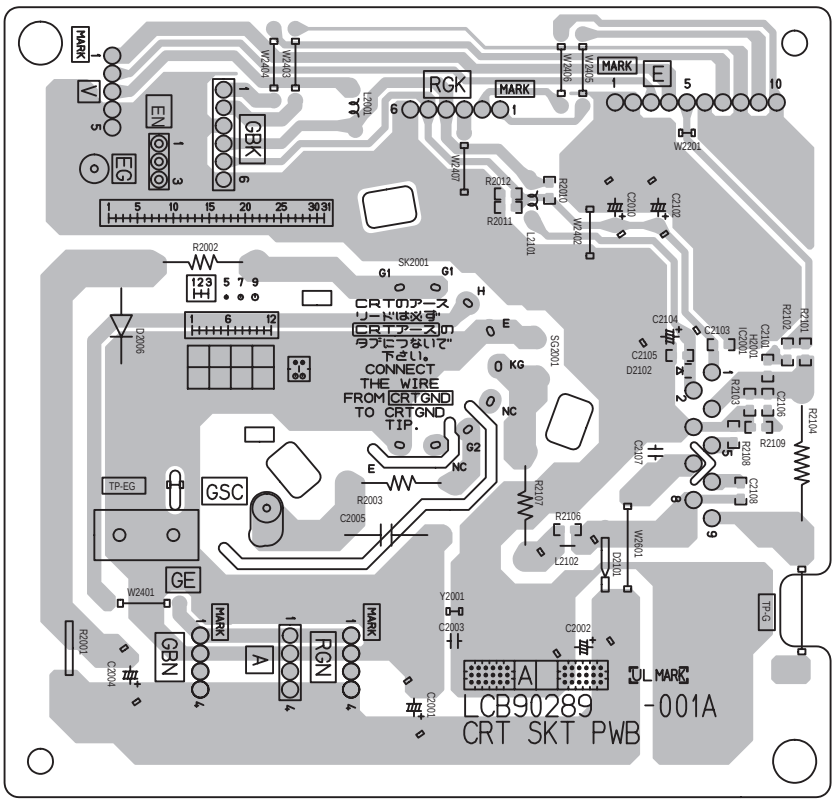

AHS/BBE/AUDIO AMP
MAIN PB ASS'Y
SRP-10□□A PbF
FLOW
REGULATOR
AUTO WIDE
CN1004
CN1002
CN1001
MARK
S1ZE
328x244
CRT 25pin
rear pro. 17pin
FRONT

*R CRT SOCKET PWB PATTERN*



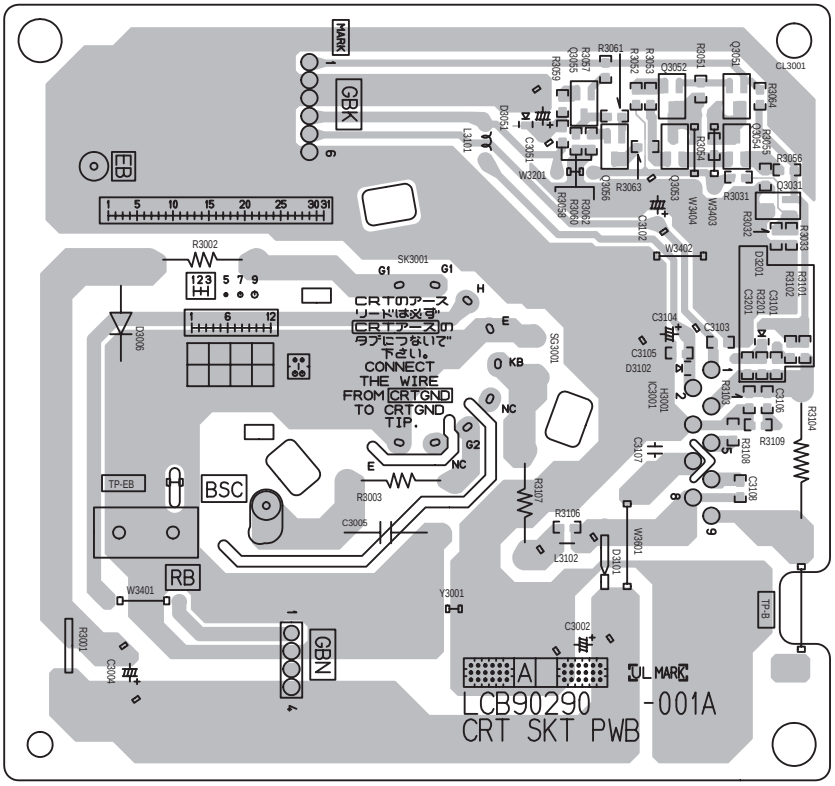

TOP

*G CRT SOCKET PWB PATTERN*




TOP

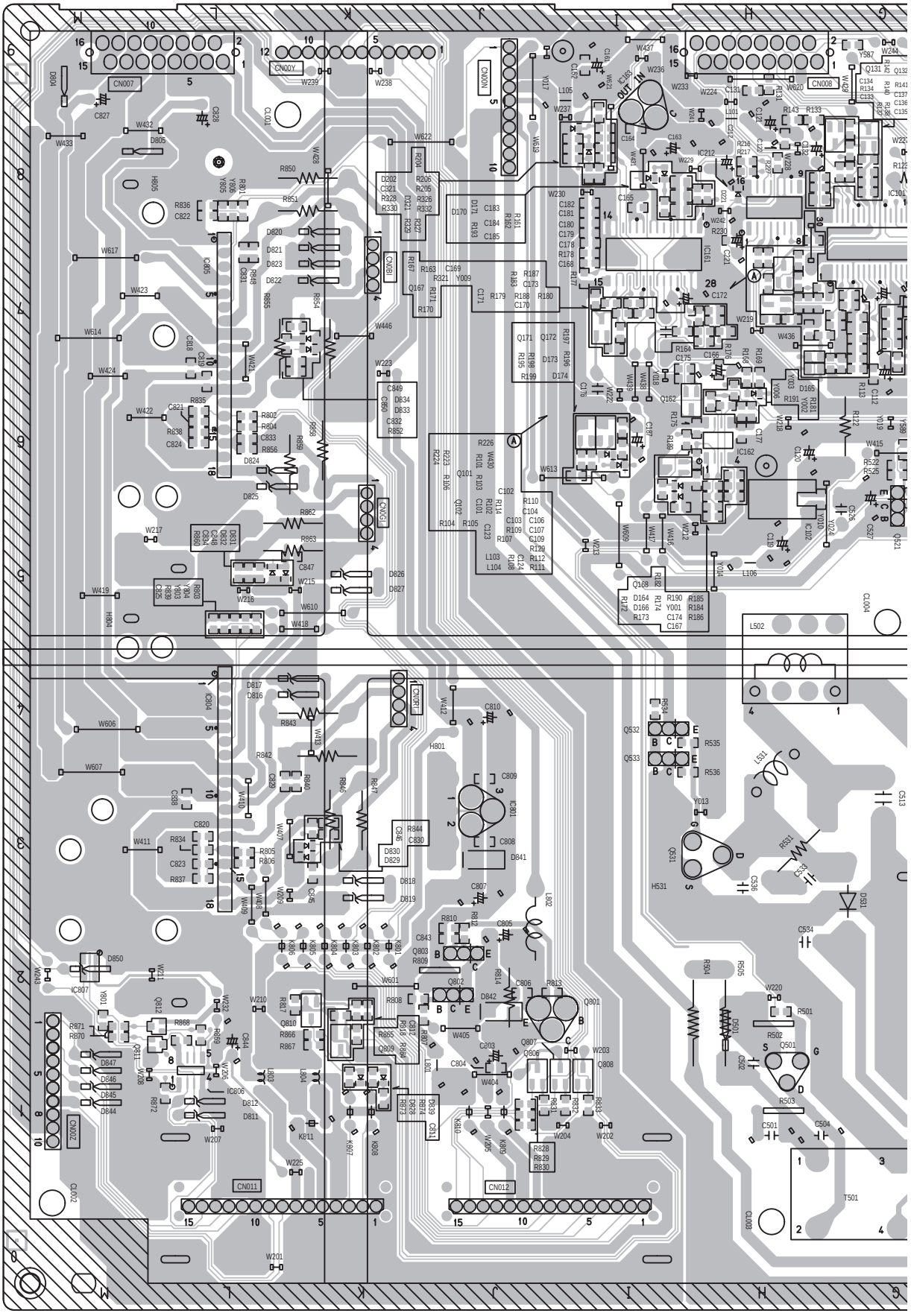
*B CRT SOCKET PWB PATTERN*

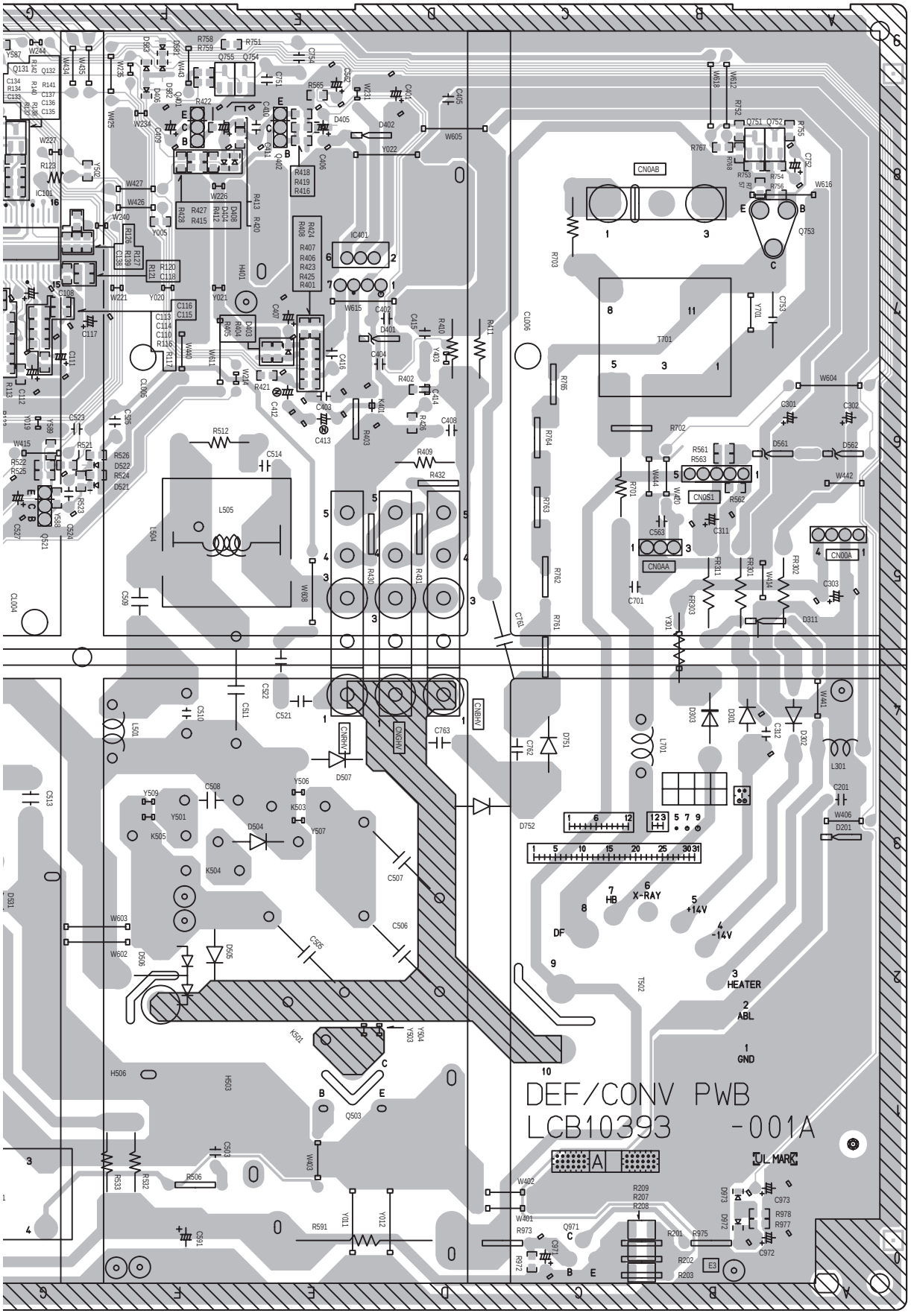


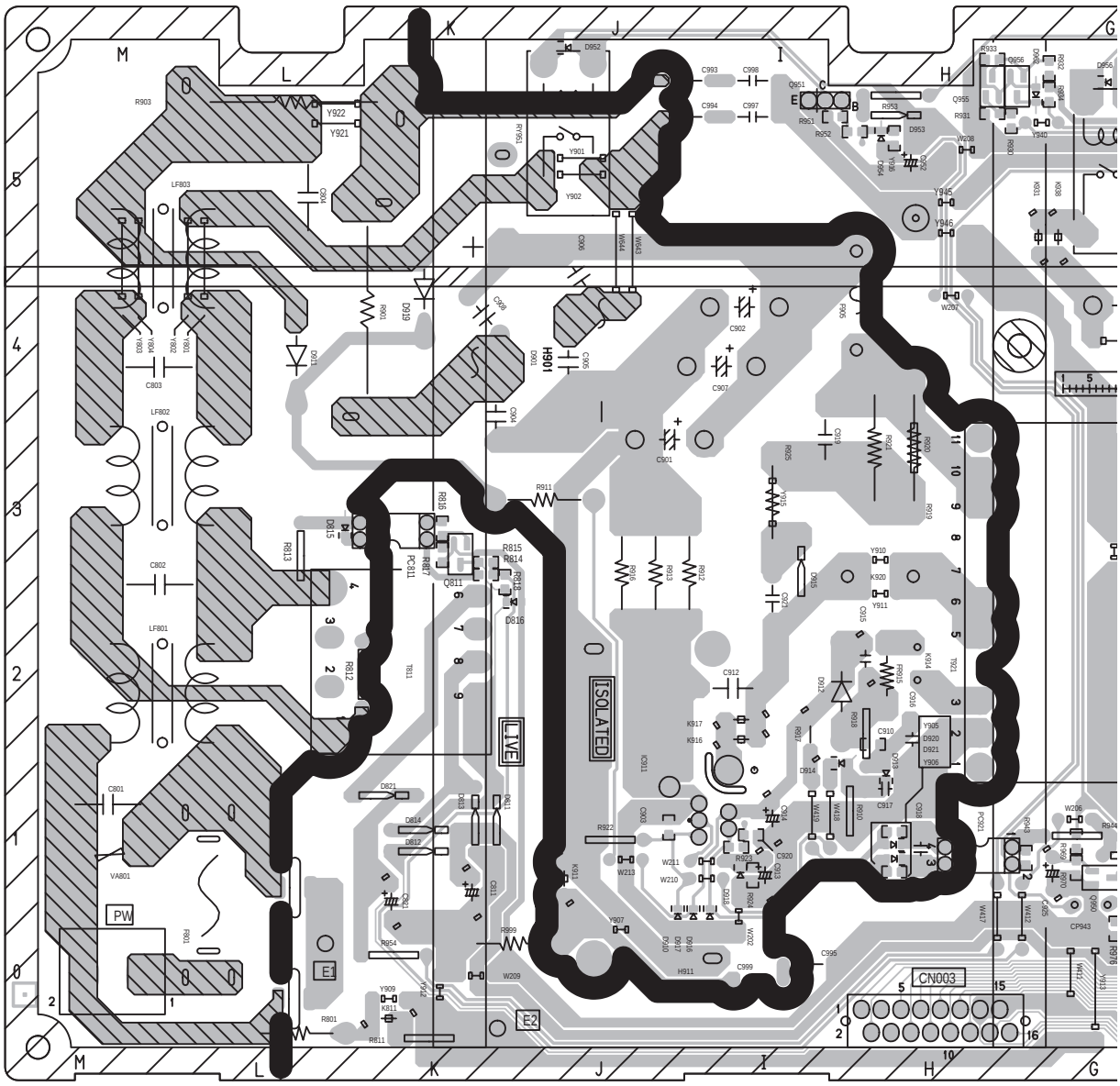

TOP

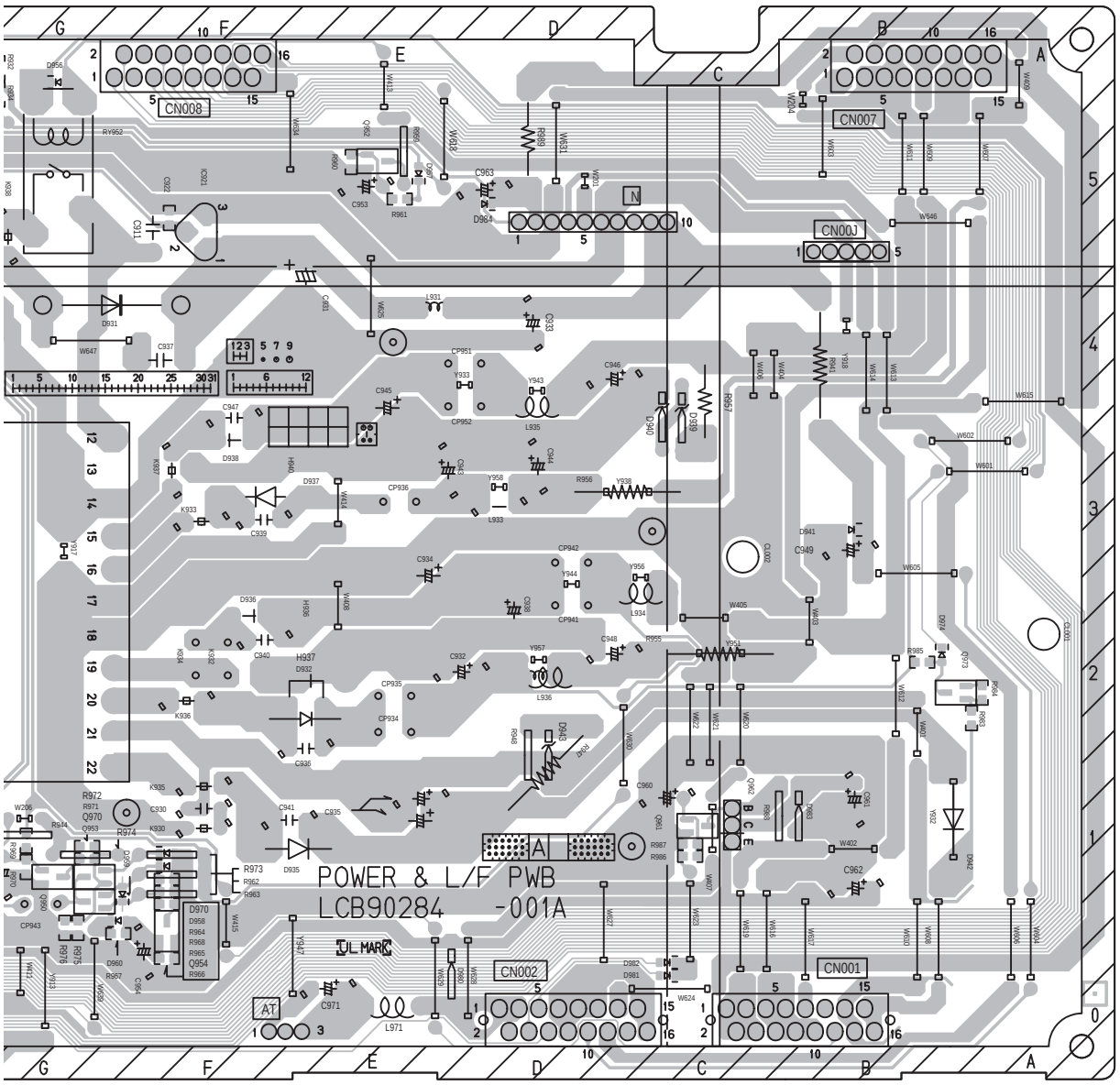
*DEF CONVERGENCE OUT PWB PATTERN*

FRONT

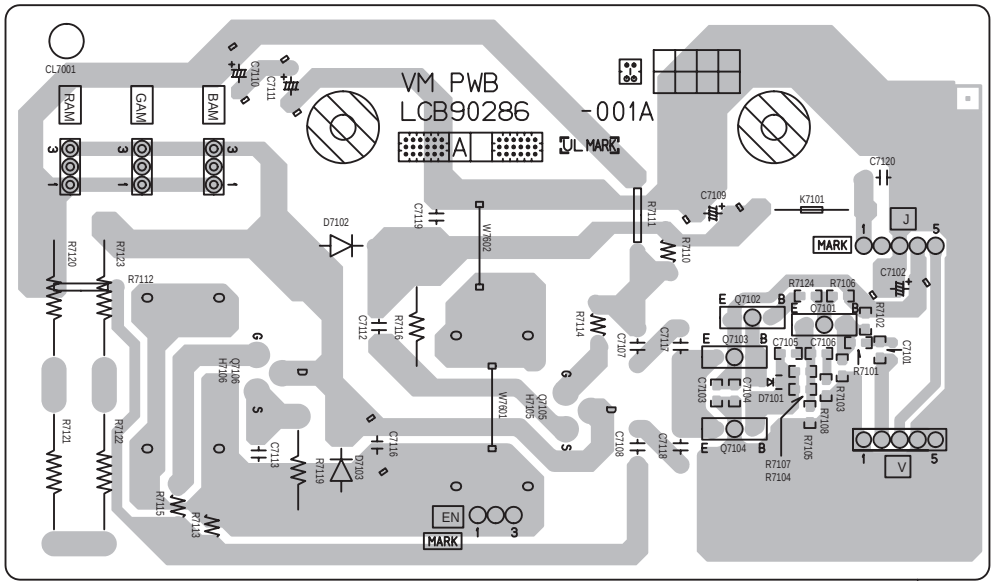



DEF/CONV PWB
LCB10393 -001A
UL MARK
7 HB
6 X-RAY
5 +14V
4 -14V
3 HEATER
2 ABL
1 GND
DF


ISOLATED
LIVE
PW
CN003
E1
E2

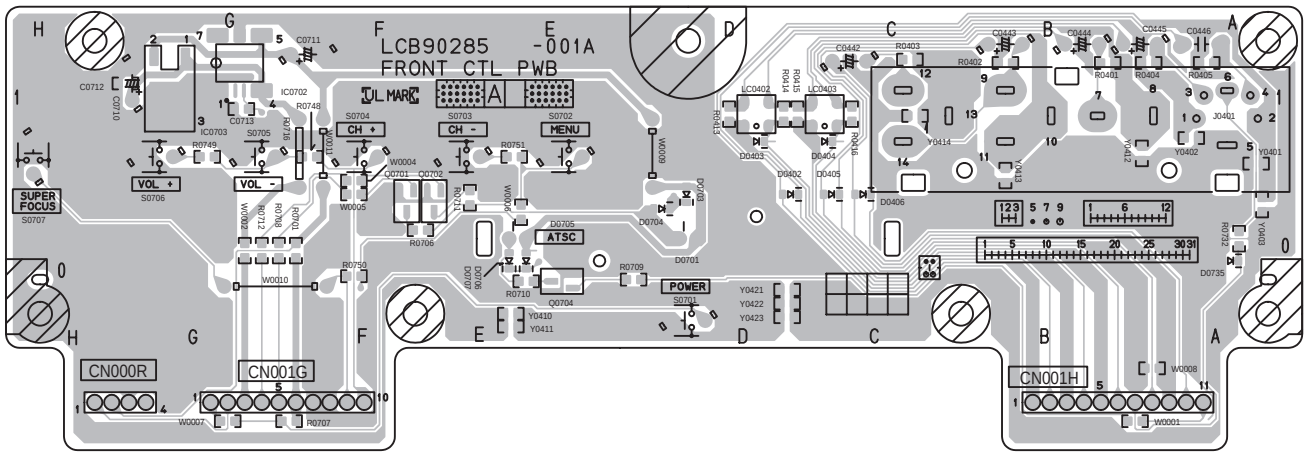

POWER & L/F PWB
LCB90284 -001A
CN008
CN007
CN00J
CN002
CN001
FRONT

TOP


VM PWB
LCB90286
-001A
A
UL MARK
CL7001
RAM
GAM
BAM
C7110
C7111
D7102
C7119
VR7602
R7111
C7109
R7110
K7101
C7120
J
MARK
C7102
R7124
R7106
Q7102
Q7101
R7102
Q7103
C7105
C7106
C7101
R7101
C7107
C7117
R7114
R7116
C7112
R7120
R7123
R7112
Q7106
H7106
VR7601
Q7105
H7105
C7108
C7118
D7101
R7103
R7108
R7105
R7107
R7104
Q7104
C7103
C7104
R7121
R7122
C7113
C7116
D7103
R7119
R7115
R7113
EN
MARK
V

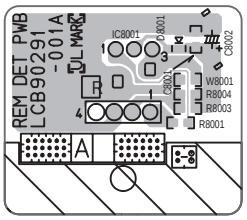
*FRONT CONTROL PWB PATTERN*

TOP




*REMOCON SENSOR PWB PATTERN*

TOP



# CHANNEL CHART (US)

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| ○ | ○ | VL | 02<br>03<br>04<br>05<br>06 | | I |
| | | VH | 07<br>08<br>09<br>10<br>11<br>12<br>13 | | II |
| × | ○ | MID | A<br>B | 14<br>15 | I |
| | | | C<br>D<br>E<br>F<br>G<br>H<br>I | 16<br>17<br>18<br>19<br>20<br>21<br>22 | II |
| | | SUPER | J<br>K<br>L<br>M<br>N<br>O<br>P<br>Q<br>R<br>S<br>T<br>U<br>V<br>W | 23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33<br>34<br>35<br>36 | |
| | | HYPER | W+1<br>W+2<br>W+3<br>W+4<br>W+5<br>W+6<br>W+7<br>W+8<br>W+9<br>W+10<br>W+11 | 37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47 | |
| | | | W+12<br>W+13<br>W+14<br>W+15<br>W+16<br>W+17<br>W+18<br>W+19<br>W+20<br>W+21<br>W+22<br>W+23<br>W+24<br>W+25<br>W+26<br>W+27<br>W+28 | 48<br>49<br>50<br>51<br>52<br>53<br>54<br>55<br>56<br>57<br>58<br>59<br>60<br>61<br>62<br>63<br>64 | IV |
| | | ULTRA | W+29<br>W+30<br>W+31<br>W+32<br>W+33<br>W+34 | 65<br>66<br>67<br>68<br>69<br>70 | |

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| × | ○ | ULTRA | W+35<br>W+36<br>W+37<br>W+38<br>W+39<br>W+40<br>W+41<br>W+42<br>W+43<br>W+44<br>W+45<br>W+46<br>W+47<br>W+48<br>W+49<br>W+50<br>W+51<br>W+52<br>W+53<br>W+54<br>W+55<br>W+56<br>W+57<br>W+58<br>W+59<br>W+60<br>W+61<br>W+62<br>W+63<br>W+64<br>W+65<br>W+66<br>W+67<br>W+68<br>W+69<br>W+70<br>W+71<br>W+72<br>W+73<br>W+74<br>W+75<br>W+76<br>W+77<br>W+78<br>W+79<br>W+80<br>W+81<br>W+82<br>W+83<br>W+84 | 71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>100<br>101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125 | IV |
| | | SUB MID | A-8<br>A-4<br>A-3<br>A-2<br>A-1 | 01<br>96<br>97<br>98<br>99 | I |
| ○ | × | UHF | 14<br>〜<br>69 | | IV |

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

# CHANNEL CHART (CA)

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| ○ | ○ | VL | 02<br>03<br>04<br>05<br>06 | | I |
| | | VH | 07<br>08<br>09<br>10<br>11<br>12<br>13 | | II |
| × | ○ | MID | A<br>B<br>C<br>D<br>E<br>F<br>G<br>H<br>I | 14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22 | |
| | | SUPER | J<br>K<br>L<br>M<br>N<br>O | 23<br>24<br>25<br>26<br>27<br>28 | |
| | | SUPER | P<br>Q<br>R<br>S<br>T<br>U<br>V<br>W | 29<br>30<br>31<br>32<br>33<br>34<br>35<br>36 | III |
| | | HYPER | W+1<br>W+2<br>W+3<br>W+4<br>W+5<br>W+6<br>W+7<br>W+8<br>W+9<br>W+10<br>W+11<br>W+12<br>W+13<br>W+14<br>W+15<br>W+16<br>W+17<br>W+18<br>W+19<br>W+20<br>W+21<br>W+22<br>W+23<br>W+24<br>W+25<br>W+26<br>W+27<br>W+28 | 37<br>38<br>39<br>40<br>41<br>42<br>43<br>44<br>45<br>46<br>47<br>48<br>49<br>50<br>51<br>52<br>53<br>54<br>55<br>56<br>57<br>58<br>59<br>60<br>61<br>62<br>63<br>64 | |
| | | ULTRA | W+29 | 65 | |
| | | ULTRA | W+30<br>W+31<br>W+32<br>W+33<br>W+34 | 66<br>67<br>68<br>69<br>70 | IV |

| MODE | | BAND | CHANNEL | | TUNER BAND |
|---|---|---|---|---|---|
| TV | CATV | | REAL | DISP. | |
| × | ○ | ULTRA | W+35<br>W+36<br>W+37<br>W+38<br>W+39<br>W+40<br>W+41<br>W+42<br>W+43<br>W+44<br>W+45<br>W+46<br>W+47<br>W+48<br>W+49<br>W+50<br>W+51<br>W+52<br>W+53<br>W+54<br>W+55<br>W+56<br>W+57<br>W+58<br>W+59<br>W+60<br>W+61<br>W+62<br>W+63<br>W+64<br>W+65<br>W+66<br>W+67<br>W+68<br>W+69<br>W+70<br>W+71<br>W+72<br>W+73<br>W+74<br>W+75<br>W+76<br>W+77<br>W+78<br>W+79<br>W+80<br>W+81<br>W+82<br>W+83<br>W+84 | 71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79<br>80<br>81<br>82<br>83<br>84<br>85<br>86<br>87<br>88<br>89<br>90<br>91<br>92<br>93<br>94<br>100<br>101<br>102<br>103<br>104<br>105<br>106<br>107<br>108<br>109<br>110<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125 | IV |
| | | SUB MID | A-8<br>A-4 | 01<br>96 | I |
| | | SUB MID | A-3<br>A-2<br>A-1 | 97<br>98<br>99 | II |
| ○ | × | UHF | 14<br>≀<br>69 | | IV |

TOTAL 180CH
{ VHF 124CH
{ UHF 56CH

NOTE:
TO RECEIVE THE SUBSCRIPTION OR PREMIUM PROGRAMMING FROM CERTAIN CABLE COMPANIES.
SPECIAL ADAPTERS MAY BE REQUIRED.

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# PARTS LIST

## CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS | | CAPACITORS | |
|---|---|---|---|
| CR | Carbon Resistor | C CAP. | Ceramic Capacitor |
| FR | Fusible Resistor | E CAP. | Electrolytic Capacitor |
| PR | Plate Resistor | M CAP. | Mylar Capacitor |
| VR | Variable Resistor | CH CAP. | Chip Capacitor |
| HV R | High Voltage Resistor | HV CAP. | High Voltage Capacitor |
| MF R | Metal Film Resistor | MF CAP. | Metalized Film Capacitor |
| MG R | Metal Glazed Resistor | MM CAP. | Metalized Mylar Capacitor |
| MP R | Metal Plate Resistor | MP CAP. | Metalized Polystyrol Capacitor |
| OM R | Metal Oxide Film Resistor | PP CAP. | Polypropylene Capacitor |
| CMF R | Coating Metal Film Resistor | PS CAP. | Polystyrol Capacitor |
| UNF R | Non-Flammable Resistor | TF CAP. | Thin Film Capacitor |
| CH V R | Chip Variable Resistor | MPP CAP. | Metalized Polypropylene Capacitor |
| CH MG R | Chip Metal Glazed Resistor | TAN. CAP. | Tantalum Capacitor |
| COMP. R | Composition Resistor | CH C CAP. | Chip Ceramic Capacitor |
| LPTC R | Linear Positive Temperature Coefficient Resistor | BP E CAP. | Bi-Polar Electrolytic Capacitor |
| | | CH AL E CAP. | Chip Aluminum Electrolytic Capacitor |
| | | CH AL BP CAP. | Chip Aluminum Bi-Polar Capacitor |
| | | CH TAN. E CAP. | Chip Tantalum Electrolytic Capacitor |
| | | CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| RESISTORS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| F | G | J | K | M | N | R | H | Z | P |
| ±1% | ±2% | ±5% | ±10% | ±20% | ±30% | +30%<br>-10% | +50%<br>-10% | +80%<br>-20% | +100%<br>-0% |

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# USING P.W. BOARD & REMOTE CONTROL UNIT

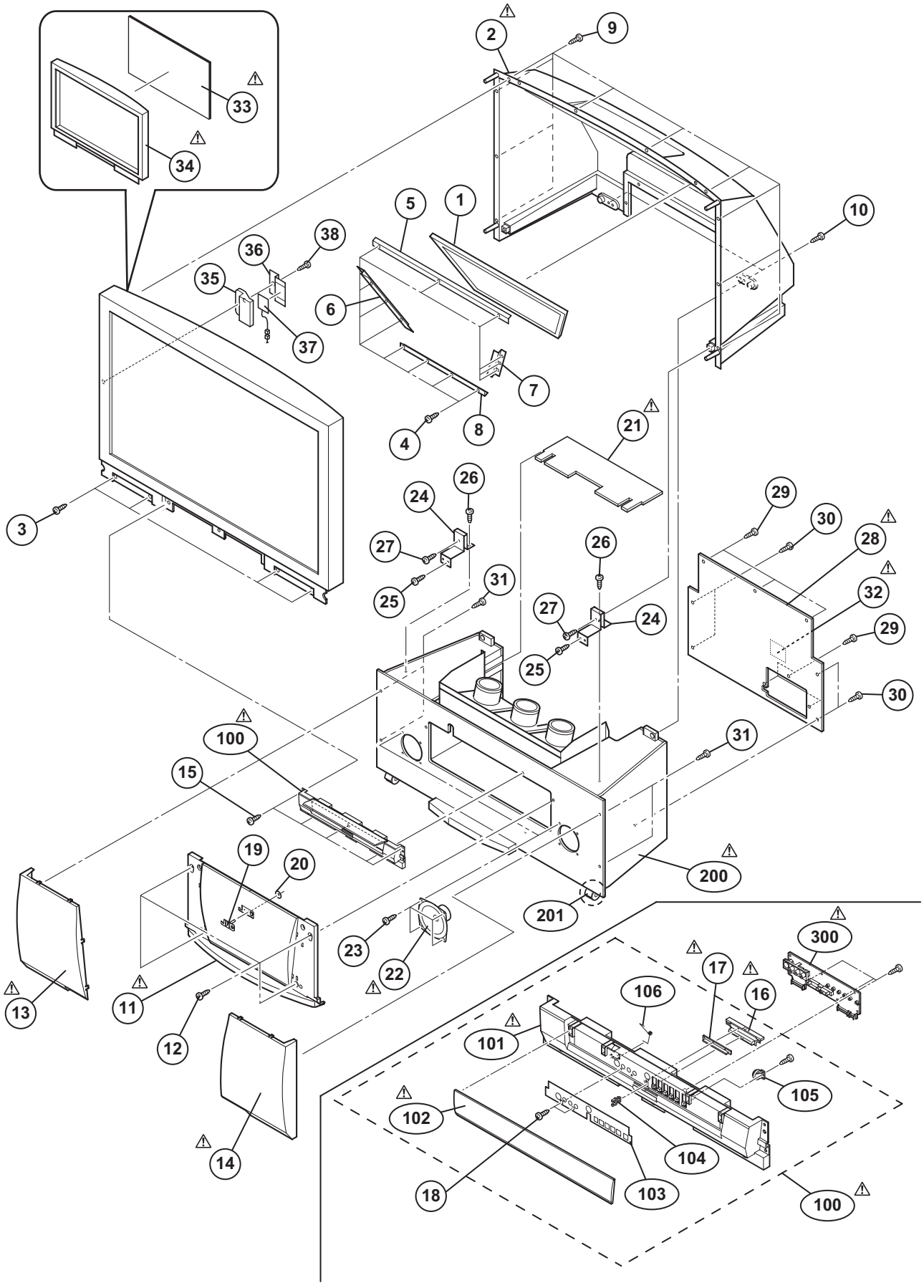
| P.W.B ASS'Y | AV-48P575/H | AV-56P575/H | AV-56P585/H |
|---|---|---|---|
| MAIN P.W.B | SRP-1003A-M2 | SRP-1004A-M2 | SRP-1002A-M2 |
| DEF / CONVERGENCE OUT P.W.B | SRP-2002A-M2 | ← | ← |
| R CRT SOCKET P.W.B | SRP-3101A-M2 | ← | ← |
| G CRT SOCKET P.W.B | SRP-3201A-M2 | ← | ← |
| B CRT SOCKET P.W.B | SRP-3301A-M2 | ← | ← |
| VM P.W.B | SRP-7201A-M2 | ← | ← |
| REMOCON SENSOR P.W.B | SRP-8001A-M2 | ← | ← |
| POWER P.W.B | SRP-9001A-M2 | ← | ← |
| FRONT CONTROL P.W.B | SRP0L001A-M2 | ← | ← |
| DIGITAL INPUT MODULE P.W.B | SRP-7803A-M2 | SRP-7804A-M2 | SRP-7802A-M2 |
| DIGITAL CONVERGENCE MODULE P.W.B | SRP0K003A-M2 | SRP0K002A-M2 | ← |
| MI-CON & DIST MODULE P.W.B | SRP0D001A-M2 | ← | ← |
| REMOTE CONTROL UNIT | RM-C1257G-1H | ← | ← |

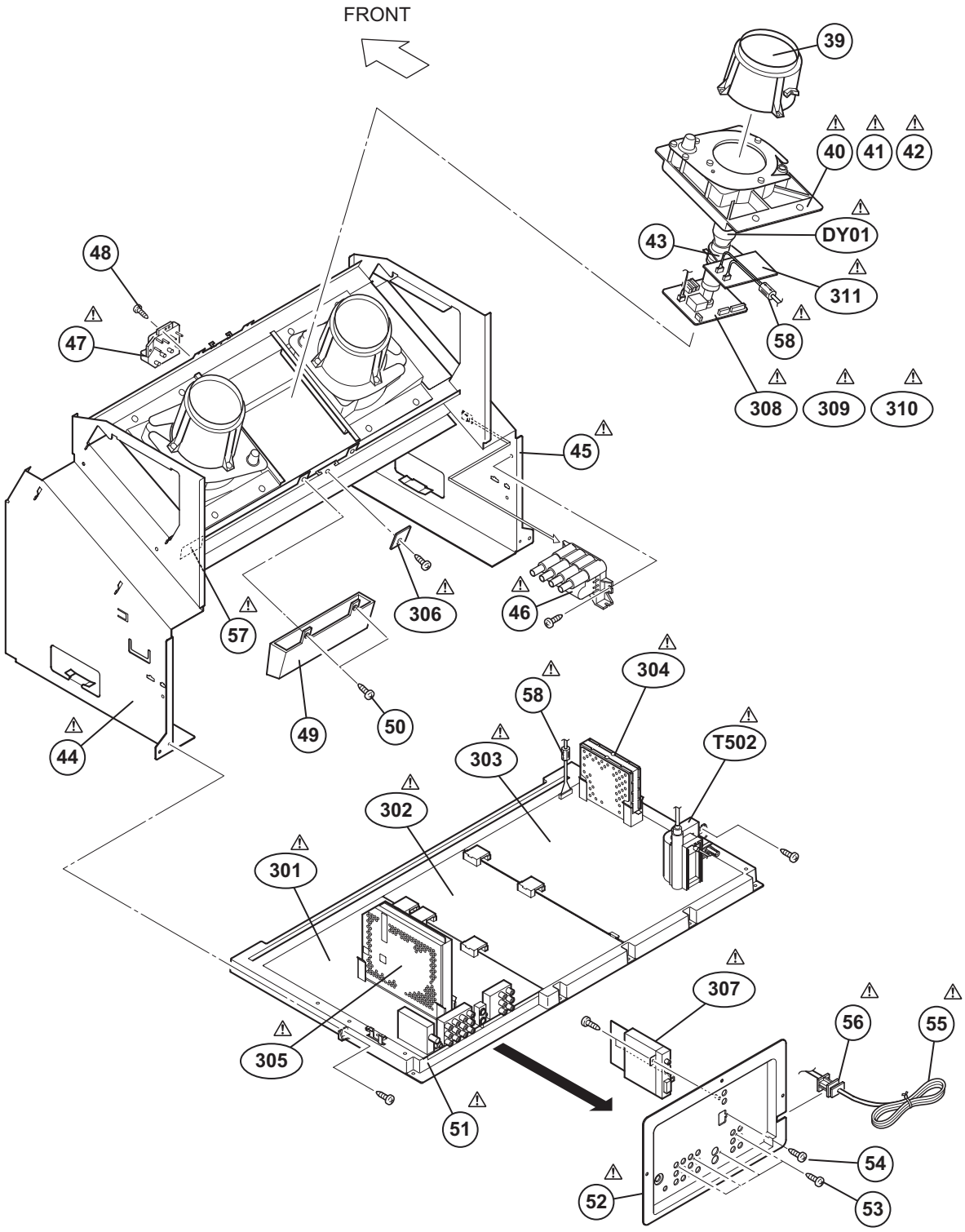
# EXPLODED VIEW PARTS LIST

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | DY01 | QQD0107-001 | DEF YOKE | (x3) | |
| ⚠ | T502 | QQH0179-001 | FB TRANSF | | |
| | 1 | LC32441-003A-A | 48" GLASS MIRROR | | AV-48P575/H |
| | 1 | LC32173-002A-A | 56" GLASS MIRROR | | AV-56P575/H,AV-56P585/H |
| ⚠ | 2 | LC11247-001D-A | BACK COVER | | AV-48P575/H |
| ⚠ | 2 | LC11407-001D-A | BACK COVER | | AV-56P575/H,AV-56P585/H |
| | 3 | QYSBSAG4018M | TAP SCREW | M4 x 18mm(x4) | |
| | 4 | QYSBSFG4016M | TAP SCREW | 4.0mm x 16mm(x13) | |
| | 5 | LC21316-001A-A | MIRROR HOLDER TOP | | |
| | 6 | LC21311-001B-A | MIRROR HOLDER LEFT | | |
| | 7 | LC21311-002B-A | MIRROR HOLDER RIGHT | | |
| | 8 | LC21317-001B-A | MIRROR HOLDER BOTTOM | | |
| | 9 | QYSBSFG4016M | TAP SCREW | 4.0mm x 16mm(x10) | |
| | 10 | QYSBSAG4018M | TAP SCREW | M4 x 18mm(x2) | |
| ⚠ | 11 | LC11800-001B-A | CENTER PANEL | | AV-48P575/H,AV-56P575/H |
| ⚠ | 11 | LC11800-002B-A | CENTER PANEL | | AV-56P585/H |
| | 12 | QYSBSAG4018M | TAP SCREW | M4 x 18mm(x4) | |
| ⚠ | 13 | LC11794-001C-A | SPEAKER GRILL LEFT | | AV-48P575/H |
| ⚠ | 13 | LC11863-001C-A | SPEAKER GRILL LEFT | | AV-56P575/H |
| ⚠ | 13 | LC11799-004C-A | SPEAKER GRILL LEFT | | AV-56P585/H |
| ⚠ | 14 | LC11866-001C-A | SPEAKER GRILL RIGHT | | AV-48P575/H |
| ⚠ | 14 | LC11818-001C-A | SPEAKER GRILL RIGHT | | AV-56P575/H |
| ⚠ | 14 | LC11799-003C-A | CLOTH PANEL RIGHT | | AV-56P585/H |
| | 15 | QYSBSAG4018M | TAP SCREW | M4 x 18mm(x5) | |
| ⚠ | 16 | LC21576-001B-A | KNOB | | AV-48P575/H,AV-56P575/H |
| ⚠ | 16 | LC21576-002C-A | KNOB | | AV-56P585/H |
| ⚠ | 17 | LC32555-001C-A | LED LENS | | |
| | 18 | QYSBSF3012M | TAP SCREW | 3.0mm x 12mm(x2) | |
| | 19 | LC32412-001A-C | JVC MARK | | |
| | 20 | QYNSS3000P | PUSH NUT | M3 | |
| ⚠ | 21 | LC21490-001A-A | SHADING BOARD | | |
| ⚠ | 22 | QAS0248-001 | SPEAKER | SP01/SP02(x2) | |
| | 23 | QYSBSA4012M | TAP SCREW | M4 x 12mm(x8) | |
| | 24 | LC32645-001A-A | BC FIT | (x2) | |
| | 25 | QYSPSPD4020Z | SCREW | M4 x 20mm(x2) | |
| | 26 | QYSBSA4012M | TAP SCREW | M4 x 12mm(x2) | |
| | 27 | QYSBSG4012Z | TAP SCREW | M4 x 12mm(x2) | |
| ⚠ | 28 | LC21491-001A-A | BACK BOARD | | |
| | 29 | QYSBSFG4016M | TAP SCREW | 4.0mm x 16mm(x7) | |
| | 30 | QYSBSAG4018M | TAP SCREW | M4 x 18mm(x4) | |
| | 31 | QYSBSFG4020M | TAP SCREW | M4 x 20mm(x4) | |
| ⚠ | 32 | LC31139-001A-A | RATING LABEL | | |
| | 33 | 48SC-002A-M2 | SCREEN ASSY | PROTECTOR / FRESNEL LENS / LENTICULAR LENS | AV-48P575/H |
| ⚠ | 33 | 56SC-003A-M2 | SCREEN ASSY | PROTECTOR / FRESNEL LENS / LENTICULAR LENS | AV-56P575/H,AV-56P585/H |
| ⚠ | 34 | LC32721-001A-A | FRONT PANEL ASSY | | AV-48P575/H |
| ⚠ | 34 | LC32722-001A-A | FRONT PANEL ASSY | | AV-56P575/H |
| ⚠ | 34 | LC32722-002A-A | FRONT PANEL ASSY | | AV-56P585/H |
| | 35 | LC32188-002A-A | SENSOR HOLDER | (x4) | |
| | 36 | LC32188-001C-A | SENSOR HOLDER | (x4) | |
| | 37 | QSD0008-001 | PHOTO SENSOR | (x4) | |
| | 38 | QYSBSG4012Z | TAP SCREW | M4 x 12mm(x4) | |
| | 39 | LC31735-001A-A | LENS D250 | (x3) | AV-48P575/H |
| | 39 | LC31736-001A-A | LENS D260 | (x3) | AV-56P575/H,AV-56P585/H |
| ⚠ | 40 | R-CRT575SAM2 | R CRT SA | | |
| ⚠ | 41 | G-CRT575SAM2 | G CRT SA | | |
| ⚠ | 42 | B-CRT575SAM2 | B CRT SA | | |
| | 43 | QAL0477-001 | 2/4 POLE MAGNET | (x3) | |
| ⚠ | 44 | LC21488-002A-A | UNIT BKT RIGHT | | |
| ⚠ | 45 | LC21488-001A-A | UNIT BKT LEFT | | |
| ⚠ | 46 | QAE0007-001 | HV DIVIDER | | |
| ⚠ | 47 | QAE0008-001 | FOCUS PACK | | |
| | 48 | QYSBSGG3008Z | TAP SCREW | 3mm x 8mm | |
| | 49 | CM22765-001-A | COOLANT PAN | | |
| | 50 | QYSBSG4012Z | TAP SCREW | M4 x 12mm(x2) | |
| ⚠ | 51 | LC11789-001B-A | CHASSIS BASE | | |
| ⚠ | 52 | LC11791-001A-A | AV BOARD | | |
| | 53 | QYSBSF3012Z | TAP SCREW | 3.0mm x 12mm(x4) | |
| | 54 | CM32201-00A-H | ASSY SCREW | | |
| ⚠ | 55 | QMPD200-200-JC | POWER CORD(US/CA) | 2m BLACK | |
| ⚠ | 56 | LC20106-001D-A | POWER CORD CLAMP | | |
| ⚠ | 57 | GQ30034-001B-A | WARNING LABEL | | |
| ⚠ | 58 | QQR0491-001 | FERRITE CORE | (GRAY)(x2) | |

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | 100 | LC21639-001B-A | CONTROL ASSY | Inc.No.101-106 | AV-48P575/H,AV-56P575/H |
| ⚠ | 100 | LC21639-002B-A | CONTROL ASSY | Inc.No.101-106 | AV-56P585/H |
| ⚠ | 101 | LC11788-001C-A | CONTROL BASE | | AV-48P575/H,AV-56P575/H |
| ⚠ | 101 | LC11788-002C-A | CONTROL BASE | | AV-56P585/H |
| ⚠ | 102 | LC11786-001C-A | DOOR | | AV-48P575/H,AV-56P575/H |
| ⚠ | 102 | LC11786-002C-A | DOOR | | AV-56P585/H |
| | 103 | LC21486-001B-A | OPERATION SHEET | | |
| | 104 | PU60109 | CATCHER | | |
| | 105 | QZW0055-003 | DAMPER | | |
| | 106 | LC41776-001A-A | SPRING | | AV-48P575/H,AV-56P575/H |
| ⚠ | 200 | LC11796-001A-A | BODY | Inc.No.201 | AV-48P575/H |
| ⚠ | 200 | LC11806-001A-A | BODY | Inc.No.201 | AV-56P575/H,AV-56P585/H |
| | 201 | CM36396-00B-A | CASTER | (x4) | |
| ⚠ | 300 | SRP0L001A-M2 | FRONT CONTROL PWB | | |
| ⚠ | 301 | SRP-1003A-M2 | MAIN PWB | | AV-48P575/H |
| ⚠ | 301 | SRP-1004A-M2 | MAIN PWB | | AV-56P575/H |
| ⚠ | 301 | SRP-1002A-M2 | MAIN PWB | | AV-56P585/H |
| ⚠ | 302 | SRP-9001A-M2 | POWER PWB | | |
| ⚠ | 303 | SRP-2002A-M2 | DEF / CONVERGENCE OUT PWB | | |
| ⚠ | 304 | SRP0K003A-M2 | DIGITAL CONVERGENCE MODULE PWB | | AV-48P575/H |
| ⚠ | 304 | SRP0K002A-M2 | DIGITAL CONVERGENCE MODULE PWB | | AV-56P575/H,AV-56P585/H |
| ⚠ | 305 | SRP0D001A-M2 | MI-COM & DIST MODULE PWB | | |
| ⚠ | 306 | SRP-8001A-M2 | REMOCON SENSOR PWB | | |
| ⚠ | 307 | SRP-7803A-M2 | DIGITAL INPUT MODULE PWB | | AV-48P575/H |
| ⚠ | 307 | SRP-7804A-M2 | DIGITAL INPUT MODULE PWB | | AV-56P575/H |
| ⚠ | 307 | SRP-7802A-M2 | DIGITAL INPUT MODULE PWB | | AV-56P585/H |
| ⚠ | 308 | SRP-3101A-M2 | R CRT SOCKET PWB | | |
| ⚠ | 309 | SRP-3201A-M2 | G CRT SOCKET PWB | | |
| ⚠ | 310 | SRP-3301A-M2 | B CRT SOCKET PWB | | |
| ⚠ | 311 | SRP-7201A-M2 | VM PWB | | |

# EXPLODED VIEW

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# PRINTED WIRING BOARD PARTS LIST [AV-48P575/H]

## MAIN P.W. BOARD ASS'Y (SRP-1003A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC1101 | L7805CP | IC | | |
| IC1140 | CXA2205Q-X | IC | | |
| IC1211 | TA1318N | IC | | |
| IC1212 | SN74AHC2G08T-X | IC | | |
| IC1301 | AN15852A | IC | | |
| IC1501 | CXA2069Q | IC | | |
| IC1502 | M62320FP-X | IC | | |
| IC1511 | PQ033RD01SZ | IC | | |
| IC1641 | NJM2150AM-X | IC | | |
| IC1661 | AN5277 | IC | | |
| IC1703 | AT24C128-56P585 | IC | (SERVICE) | |
| IC1802 | BA033T | REGULATOR IC | | |
| IC1941 | PQ1CG21H2FZ | IC | | |
| IC1942 | SI-8050JD-W | IC | | |
| IC1943 | PQ1CY1032Z-W | IC | | |
| IC1981 | PQ070XZ01Z-X | IC | | |
| IC1991 | PQ12RD11 | IC | | |
| IC1993 | MM1565AF-X | IC | | |
| IC3001 | MN82832 | IC | | |
| IC3002 | R1170H331B-X | IC | | |
| IC6001 | NJM2701M-X | IC | | |
| Q0701 | 2SK2090-X | MOS FET | | |
| Q0702 | 2SK2090-X | MOS FET | | |
| Q1101 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1102 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1232 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1252 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1253 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1254 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1255 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1301 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q1302 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q1303 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q1401 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1511 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1531 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1668 | UN2213-X | DIGI TRANSISTOR | | |
| Q1669 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1671 | UN2213-X | DIGI TRANSISTOR | | |
| Q1672 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1673 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1674 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1712 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1713 | 2SC2785/JH/-T | SI TRANSISTOR | | |
| Q1714 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1961 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1962 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1964 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1965 | UN2213-X | DIGI TRANSISTOR | | |
| Q1966 | UN2213-X | DIGI TRANSISTOR | | |
| Q1967 | UN2213-X | DIGI TRANSISTOR | | |
| Q1981 | 2SC4682-T | TRANSISTOR | | |
| Q1984 | 2SC4682-T | TRANSISTOR | | |
| Q3001 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3002 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3003 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3004 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3005 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3006 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3007 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3501 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3505 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3506 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3509 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3510 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6001 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6002 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D1093 | MA8082/M/-X | Z DIODE | | |
| D1140 | MA8100/M/-X | Z DIODE | | |
| D1141 | MA8100/M/-X | Z DIODE | | |
| D1145 | MA8082/M/-X | Z DIODE | | |
| D1146 | MA8082/M/-X | Z DIODE | | |
| D1251 | MA8100/M/-X | Z DIODE | | |
| D1252 | MA8100/M/-X | Z DIODE | | |
| D1253 | MA111-X | SI DIODE | | |
| D1301 | MA8100/M/-X | Z DIODE | | |
| D1302 | MA8100/M/-X | Z DIODE | | |
| D1305 | MA8100/M/-X | Z DIODE | | |
| D1306 | MA8100/M/-X | Z DIODE | | |
| D1401 | MA111-X | SI DIODE | | |
| D1402 | UDZS5.1B-X | Z DIODE | | |
| D1403 | MA111-X | SI DIODE | | |
| D1513 | MA111-X | SI DIODE | | |
| D1596 | MA8100/M/-X | Z DIODE | | |
| D1667 | MA111-X | SI DIODE | | |
| D1668 | MA111-X | SI DIODE | | |
| D1669 | MA111-X | SI DIODE | | |
| D1702 | MA111-X | SI DIODE | | |
| D1703 | MA111-X | SI DIODE | | |
| D1704 | MA8100/M/-X | Z DIODE | | |
| D1705 | MA8100/M/-X | Z DIODE | | |
| D1712 | MA111-X | SI DIODE | | |
| D1802 | MA111-X | SI DIODE | | |
| D1895 | MA8082/M/-X | Z DIODE | | |
| D1896 | MA8082/M/-X | Z DIODE | | |
| D1897 | MA8051/M/-X | Z DIODE | | |
| D1898 | MA8051/M/-X | Z DIODE | | |
| D1947 | EC31QS04-X | SB DIODE | | |
| D1948 | EC31QS04-X | SB DIODE | | |
| D1949 | EC31QS04-X | SB DIODE | | |
| D1962 | MA3030/H/-X | Z DIODE | | |
| D1964 | MA111-X | SI DIODE | | |
| D1965 | MA111-X | SI DIODE | | |
| D1967 | PTZ6.8B-X | Z DIODE | | |
| D1968 | PTZ3.9B-X | Z DIODE | | |
| D1969 | PTZ11B-X | Z DIODE | | |
| D1981 | MA111-X | SI DIODE | | |
| D1991 | MA111-X | SI DIODE | | |
| D1993 | MA111-X | SI DIODE | | |
| D2101 | MA8100/M/-X | Z DIODE | | |
| D2121 | MA8100/M/-X | Z DIODE | | |
| D2201 | MA8100/M/-X | Z DIODE | | |
| D2204 | MA8100/M/-X | Z DIODE | | |
| D2205 | MA8100/M/-X | Z DIODE | | |
| D2206 | MA8100/M/-X | Z DIODE | | |
| D2209 | MA8100/M/-X | Z DIODE | | |
| D2210 | MA8100/M/-X | Z DIODE | | |
| D2212 | MA8100/M/-X | Z DIODE | | |
| D2213 | MA8100/M/-X | Z DIODE | | |
| D2215 | MA8100/M/-X | Z DIODE | | |
| D2216 | MA8100/M/-X | Z DIODE | | |
| D2217 | MA8100/M/-X | Z DIODE | | |
| D2218 | MA8100/M/-X | Z DIODE | | |
| D2219 | MA8100/M/-X | Z DIODE | | |
| D2401 | MA8100/M/-X | Z DIODE | | |
| D2402 | MA8100/M/-X | Z DIODE | | |
| D2403 | MA8100/M/-X | Z DIODE | | |
| D2404 | MA8100/M/-X | Z DIODE | | |
| D2406 | MA8100/M/-X | Z DIODE | | |
| D2421 | MA8100/M/-X | Z DIODE | | |
| D2422 | MA8100/M/-X | Z DIODE | | |
| C1101 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| C1102 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C1103 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1111 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C1140 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1141 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1144 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1145 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C1146 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C1147 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1148 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C1149 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C1150 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1151 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C1152 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1153 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C1154 | NCB31HK-123X | C CAPACITOR | 0.012uF 50V K | |
| C1155 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C1156 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1157 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1158 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1159 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C1160 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1161 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1162 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1163 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C1164 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C1165 | QETN1HM-335Z | E CAPACITOR | 3.3uF 50V M | |
| C1166 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1167 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1168 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C1169 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1170 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1171 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1172 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1213 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1214 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C1215 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J |
| C1216 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C1218 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1219 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C1233 | NDC31HJ-180X | C CAPACITOR | 18pF 50V J |
| C1257 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1258 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1301 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1302 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1303 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1304 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1305 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1306 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1307 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C1308 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1309 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1311 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1312 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1313 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1322 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1323 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1324 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1325 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1326 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1327 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1328 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1329 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1331 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1332 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1333 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1341 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1342 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1343 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1351 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1352 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1353 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1355 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1371 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1372 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1381 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1382 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1391 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1392 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1403 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1404 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1405 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1406 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1409 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1410 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1411 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1412 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1415 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1416 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1417 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1418 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1421 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1423 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M |
| C1442 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1502 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1510 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M |
| C1519 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1531 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1532 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C1539 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1540 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| C1553 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1554 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1555 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1556 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1557 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1579 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1641 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C1642 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K |
| C1643 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K |
| C1645 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1646 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1647 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C1648 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1651 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C1652 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K |
| C1653 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K |
| C1667 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1668 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1669 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1670 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1671 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1672 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1673 | QETN1HM-477Z | E CAPACITOR | 470uF 50V M |
| C1674 | QETM1HM-108 | E CAPACITOR | 1000uF 50V M |
| C1675 | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C1676 | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C1677 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C1678 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C1679 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1680 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1696 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1697 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1702 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1712 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M |
| C1806 | QETN1VM-476Z | E CAPACITOR | 47uF 35V M |
| C1807 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1941 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1942 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C1943 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1944 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1945 | QEZ0256-128 | E CAPACITOR | 1200uF 10V M |
| C1946 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1947 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1948 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1949 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1950 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1951 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1952 | QEZ0256-128 | E CAPACITOR | 1200uF 10V M |
| C1953 | QETN0JM-228Z | E CAPACITOR | 2200uF 6.3V M |
| C1955 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1961 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1981 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1984 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1985 | QETN0JM-477Z | E CAPACITOR | 470uF 6.3V M |
| C1991 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C1992 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1994 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C1995 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C1996 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C2103 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2104 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2105 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2106 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2123 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C2124 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2126 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2127 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2128 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2144 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2145 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2146 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2302 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2303 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2322 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2323 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2341 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2342 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2343 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C3001 | QENC1AM-336Z | BP E CAPACITOR | 33uF 10V M |
| C3002 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3003 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3004 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3005 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3006 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3007 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |
| C3008 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3009 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3010 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3011 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3012 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3013 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3014 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3015 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3016 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3017 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C3018 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3019 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3020 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3021 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3022 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C3023 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3024 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3025 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C3026 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3027 | NDC31HJ-7R0X | C CAPACITOR | 7pF 50V J | |
| C3028 | NDC31HJ-7R0X | C CAPACITOR | 7pF 50V J | |
| C3029 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3030 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3031 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3032 | NDC31HJ-560X | C CAPACITOR | 56pF 50V J | |
| C3033 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C3034 | NDC31HJ-560X | C CAPACITOR | 56pF 50V J | |
| C3035 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| C3036 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3037 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3038 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3039 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3041 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C3042 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3044 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3045 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3046 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3047 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C3048 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3049 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3050 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3051 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3052 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3053 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3054 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3055 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3056 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3057 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C3058 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3059 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C3060 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3061 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C3062 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3063 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C3064 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3065 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M | |
| C3066 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3067 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C3068 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C3069 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C3070 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C3071 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M | |
| C3072 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3077 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K | |
| C3078 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3079 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J | |
| C3080 | QBTC1CK-106Z | TA E CAPACITOR | 10uF 16V K | |
| C3082 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J | |
| C3086 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K | |
| C3088 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C3089 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C3090 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C3099 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3100 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C3501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3502 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C3503 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J | |
| C3504 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C3506 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C3507 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3508 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C3509 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J | |
| C3510 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C3512 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C3513 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3514 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J | |
| C3515 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J | |
| C3516 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J | |
| C3518 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z | |
| C3519 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M | |
| C3520 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M | |
| C3521 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M | |
| C6001 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M | |
| C6002 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M | |
| C6003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C6004 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C6005 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C6006 | NCB31CK-273X | C CAPACITOR | 0.027uF 16V K | |
| C6007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C6008 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C6009 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C6010 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R0705 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R0706 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1097 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1104 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1105 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1107 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R1110 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1111 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R1112 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1140 | NRSA63J-225X | MG RESISTOR | 2.2MΩ 1/16W J | |
| R1141 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1142 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1143 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R1144 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R1145 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R1146 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1147 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R1149 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R1151 | NRSA63J-302X | MG RESISTOR | 3kΩ 1/16W J | |
| R1152 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R1157 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1158 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1202 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1203 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1218 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R1219 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R1220 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1221 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1226 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1228 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1229 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R1230 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1231 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1232 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1234 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R1236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1240 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1261 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R1262 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R1265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1266 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R1267 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R1268 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1269 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R1272 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R1282 | QRE141J-221Y | C RESISTOR | 220Ω 1/4W J | |
| R1283 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R1284 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1285 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R1286 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1287 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J | |
| R1301 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1302 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1337 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R1347 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R1372 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1374 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R1375 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R1378 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1382 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1384 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R1385 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R1392 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1394 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R1395 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R1401 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1402 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1421 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R1422 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1423 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R1501 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R1502 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J | |
| R1505 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1511 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R1513 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1514 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1515 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1516 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1517 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1518 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1519 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1520 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1521 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1522 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1523 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1524 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R1525 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1526 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1527 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1528 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1529 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1530 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1533 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1534 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1535 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1536 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1537 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1538 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1539 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1560 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1562 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1571 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1577 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1578 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1579 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1611 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1612 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1614 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1615 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1616 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R1641 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1642 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1643 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1651 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1652 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1653 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1659 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1665 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1666 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1667 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1668 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1669 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1670 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1671 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R1672 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R1673 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R1674 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R1680 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R1681 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R1682 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1691 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1694 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R1695 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1696 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R1697 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1701 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1702 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1703 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1712 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R1713 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R1714 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R1715 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R1716 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1718 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R1895 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1896 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1897 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1898 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1899 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1900 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1942 | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D |
| R1943 | NRSA63D-123X | MG RESISTOR | 12kΩ 1/16W D |
| ⚠R1944 | QRK126J-220X | UNF C RESISTOR | 22Ω 1/2W J |
| R1945 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1946 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1949 | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D |
| R1950 | NRSA63D-822X | MG RESISTOR | 8.2kΩ 1/16W D |
| R1952 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R1953 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R1957 | NRSA63D-682X | MG RESISTOR | 6.8kΩ 1/16W D |
| R1959 | NRSA63D-182X | MG RESISTOR | 1.8kΩ 1/16W D |
| R1961 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1962 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R1963 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R1964 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1965 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1966 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R1967 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R1968 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1969 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1971 | QRT039J-R68 | MF RESISTOR | 0.68Ω 3W J |
| R1975 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1978 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| ⚠R1981 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| R1982 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D |
| R1983 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D |
| R1984 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R1985 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| ⚠R1986 | QRK126J-331X | UNF C RESISTOR | 330Ω 1/2W J |
| R1991 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1992 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R2102 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2103 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2104 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2105 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2106 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2122 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2123 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2125 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2126 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2127 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2144 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2145 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2146 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2305 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2308 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2325 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2328 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R3001 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3002 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3004 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3005 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3006 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3007 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3009 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D |
| R3010 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3012 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3013 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3014 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3015 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3016 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3017 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3018 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3020 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D |
| R3021 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3023 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R3024 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3025 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3026 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3027 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3028 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3029 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3030 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3039 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3040 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3042 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3045 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3047 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R3048 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R3049 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R3050 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3051 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3052 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R3053 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3054 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3055 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R3058 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3059 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3060 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3065 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3066 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3502 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3503 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3504 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3507 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3509 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3511 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3516 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3518 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3519 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3520 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3521 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3523 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3525 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R3532 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3534 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3535 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3536 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3537 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3539 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3541 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3548 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3549 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3550 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3551 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3552 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3553 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3554 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3555 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R6001 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6002 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6003 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6004 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6006 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6007 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R6008 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R6009 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| RA3001 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J x4 |
| RA3002 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J x4 |
| RA3003 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J x4 |
| RA3004 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J x4 |
| L1211 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L1401 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L1402 | QQL26AK-100Z | CHOKE COIL | 10uH K |
| L1941 | QQR1401-001 | CHOKE COIL | |
| L1942 | QQR1401-001 | CHOKE COIL | |
| L1943 | QQL26AK-330Z | CHOKE COIL | 33uH K |
| L1944 | QQL26AK-330Z | CHOKE COIL | 33uH K |
| L1945 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L1946 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L1947 | QQR1401-001 | CHOKE COIL | |
| L1948 | QQL26AK-100Z | CHOKE COIL | 10uH K |
| L1950 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1951 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1952 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1983 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| L3001 | NQL092K-6R8X | COIL | 6.8uH K |
| L3002 | NQL092K-6R8X | COIL | 6.8uH K |
| L3003 | NQR0413-003X | FERRITE BEADS | |
| L3004 | NQR0413-003X | FERRITE BEADS | |
| L3007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| L3501 | NQL092K-6R8X | COIL | 6.8uH K |
| L3502 | NQL092K-6R8X | COIL | 6.8uH K |
| L3503 | NQL092K-6R8X | COIL | 6.8uH K |
| CN1001 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN1002 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN1003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN100Q | WJP0053-004A | E-SH C WIRE C-B | |
| CN10AU | WJP0052-002A | E-SH C WIRE C-B | |
| CN10DC | QJB003-043014 | SIN ID C-B WIRE | |
| CN10SR | QJB003-052610 | SIN ID C-B WIRE | |
| H1661 | LC30145-003A | HEAT SINK/AL-F/ | |
| H1802 | CM42862-A0A | HEAT SINK ASSY | |
| J1091 | QNS0242-001 | 3.5 JACK | AV COMPULINK |
| J2101 | QNN0628-001 | PIN JACK | V/L IN |
| J2102 | QNN0629-001 | PIN JACK | R IN/L/R OUT/CENTER CH IN |
| J2111 | QND0121-001 | S JACK | S IN |
| J2121 | QNN0638-001 | PIN JACK | COMP-1/2 IN |
| K1943 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| K1944 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| LC1301 | QQR1199-001 | EMI FILTER | |
| LC1302 | QQR1199-001 | EMI FILTER | |
| LC1303 | QQR1199-001 | EMI FILTER | |
| LC2301 | QQR1199-001 | EMI FILTER | |
| LC2302 | QQR1199-001 | EMI FILTER | |
| LC2303 | QQR1199-001 | EMI FILTER | |
| LC2321 | QQR1199-001 | EMI FILTER | |
| LC2322 | QQR1199-001 | EMI FILTER | |
| LC2323 | QQR1199-001 | EMI FILTER | |
| LC2341 | QQR1199-001 | EMI FILTER | |
| LC2342 | QQR1199-001 | EMI FILTER | |
| LC2343 | QQR1199-001 | EMI FILTER | |
| LC3001 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3002 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3003 | NQR0483-005X | EMI FILTER | |
| LC3004 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3005 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3006 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3007 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3008 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3501 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3502 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3503 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| SL1211 | CSB503F30-T2 | C RESONATOR | |
| ⚠TU1101 | QAU0352-001 | TUNER | |
| X3001 | NAX0570-001X | CRYSTAL | 27.000MHz |

## DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC101 | LA7860M-X | IC | |
| IC161 | AN5441SA-W | IC | |
| IC162 | BA10393F-XE | IC | |
| IC163 | AN7805F | IC | |
| IC212 | CXA1875AM-X | IC | |
| IC401 | AN15525A | IC | |
| IC801 | L7805CP | IC | |
| IC804 | STK394-250 | IC | |
| IC805 | STK394-210 | IC | |
| IC807 | SN74LVC1G126V-X | IC | |
| Q101 | 2SD601A/QR/-X | TRANSISTOR | |
| Q102 | 2SD601A/QR/-X | TRANSISTOR | |
| Q131 | 2SD601A/QR/-X | TRANSISTOR | |
| Q132 | 2SD601A/QR/-X | TRANSISTOR | |
| Q162 | 2SD601A/QR/-X | TRANSISTOR | |
| Q168 | 2SD601A/QR/-X | TRANSISTOR | |
| Q171 | 2SB709A/QR/-X | TRANSISTOR | |
| Q172 | 2SB709A/QR/-X | TRANSISTOR | |
| Q401 | 2SC3311A/QR/-T | TRANSISTOR | |
| Q402 | 2SC3311A/QR/-T | TRANSISTOR | |
| Q501 | BSN304-T | MOS FET | |
| Q503 | 2SC5931-RL | POW TRANSISTOR | |
| Q521 | 2SC3311A/QR/-T | TRANSISTOR | |
| Q531 | IRFI620G | POWER MOS FET | |
| Q532 | 2SC1959/Y/-T | TRANSISTOR | |
| Q533 | 2SA562TM/Y/-T | TRANSISTOR | |
| Q806 | 2SD601A/QR/-X | TRANSISTOR | |
| Q807 | 2SD601A/QR/-X | TRANSISTOR | |
| Q808 | 2SD601A/QR/-X | TRANSISTOR | |
| Q809 | 2SD601A/QR/-X | TRANSISTOR | |
| Q810 | 2SD601A/QR/-X | TRANSISTOR | |
| Q971 | 2SA1208/ST/Z1-T | TRANSISTOR | |
| D164 | 1SS355-X | SI DIODE | |
| D165 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| D170 | 1SS355-X | SI DIODE | |
| D171 | 1SS355-X | SI DIODE | |
| D173 | 1SS355-X | SI DIODE | |
| D174 | 1SS355-X | SI DIODE | |
| D201 | 1SR35-400A-T2 | SI DIODE | |
| D221 | 1SS355-X | SI DIODE | |
| D301 | EU2-T3 | SI DIODE | |
| D302 | EU2-T3 | SI DIODE | |
| D303 | RU30A-F1 | SI DIODE | |
| D311 | 1SR124-400A-T2 | SI DIODE | |
| D401 | MTZJ75-T2 | Z DIODE | |
| D402 | 1SR35-400A-T2 | SI DIODE | |
| D403 | MA111-X | SI DIODE | |
| D404 | MA8068/M/-X | CHIP ZENER DIODE | |
| D405 | MA111-X | SI DIODE | |
| D406 | MA8068/M/-X | CHIP ZENER DIODE | |
| D501 | 1SS81-T2 | SI DIODE | |
| D504 | RG2A-LFC4 | SI DIODE | |
| D506 | FMV-3FU-F1 | SI DIODE | |
| D507 | V11CA-C1 | SI DIODE | |
| D521 | MA8120-X | CHIP ZENER DIODE | |
| D522 | MA111-X | SI DIODE | |
| D531 | RGP10J-5025-T3 | SI DIODE | |
| D561 | MA4068N/Z1/-T2 | Z DIODE | |
| D562 | MA4068N/Z1/-T2 | Z DIODE | |
| D583 | MA111-X | SI DIODE | |
| D804 | 1SR153-400-T2 | FR DIODE | |
| D805 | 1SR153-400-T2 | FR DIODE | |
| D811 | RD5.6E/B2/-T2 | Z DIODE | |
| D812 | RD5.6E/B2/-T2 | Z DIODE | |
| D841 | PTZ6.8B-X | Z DIODE | |
| D842 | PTZ5.1B-X | Z DIODE | |
| D844 | RD6.8E/B2/-T2 | Z DIODE | |
| D845 | RD6.8E/B2/-T2 | Z DIODE | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| D846 | RD6.8E/B2/-T2 | Z DIODE | |
| D847 | RD6.8E/B2/-T2 | Z DIODE | |
| D850 | RD5.6E/B2/-T2 | Z DIODE | |
| D972 | MA8150/M/-X | Z DIODE | |
| D973 | MA111-X | SI DIODE | |
| C102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C103 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C104 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C106 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C107 | NDC21HJ-122X | C CAPACITOR | 1200pF 50V J |
| C108 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C109 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C110 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C111 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C112 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C113 | NDC21HJ-122X | C CAPACITOR | 1200pF 50V J |
| C114 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C115 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C116 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C117 | QTMN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C120 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C121 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C122 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C123 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C124 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C131 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C132 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C133 | NCB21EK-124X | C CAPACITOR | 0.12uF 25V K |
| C134 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K |
| C135 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C136 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C137 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C138 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C161 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C162 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C163 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C164 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C165 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C167 | QFLM1HJ-332Z | M CAPACITOR | 3300pF 50V J |
| C168 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C170 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C171 | QFVF1HJ-184Z | MF CAPACITOR | 0.18uF 50V J |
| C172 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C173 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K |
| C175 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K |
| C178 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C179 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C180 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C181 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C182 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C185 | NCB31CK-563X | C CAPACITOR | 0.056uF 16V K |
| C187 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J |
| C201 | QFV21HJ-334Z | MF CAPACITOR | 0.33uF 50V J |
| C212 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C221 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C301 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C302 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C303 | QETM2EM-336 | E CAPACITOR | 33uF 250V M |
| C311 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C312 | QCB32HK-821Z | C CAPACITOR | 820pF 500V K |
| C401 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C402 | QFN31HJ-152Z | M CAPACITOR | 1500pF 50V J |
| C403 | QCS32HJ-180Z | C CAPACITOR | 18pF 500V J |
| C404 | QFLC2AJ-104Z | M CAPACITOR | 0.1uF 100V J |
| C405 | QFV21HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C406 | QETN1VM-107Z | E CAPACITOR | 100uF 35V M |
| C407 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C408 | QFLC2AJ-104Z | M CAPACITOR | 0.1uF 100V J |
| C409 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C411 | QCB31HK-222Z | C CAPACITOR | 2200pF 50V K |
| C412 | QENC1CM-226Z | BP E CAPACITOR | 22uF 16V M |
| C413 | QENC1CM-226Z | BP E CAPACITOR | 22uF 16V M |
| C415 | QFLC2AJ-823Z | M CAPACITOR | 0.082uF 100V J |
| C416 | QCB31HK-682Z | C CAPACITOR | 6800pF 50V K |
| C501 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C502 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K |
| C503 | QFV21HJ-224Z | MF CAPACITOR | 0.22uF 50V J |
| C506 | QFZ0122-452 | MPP CAPACITOR | 4500pF 1.8kV H |
| C507 | QFZ0122-452 | MPP CAPACITOR | 4500pF 1.8kV H |
| C508 | QFP32JJ-103 | PP CAPACITOR | 0.01uF 630V J |
| C511 | QFZ0128-404 | MPP CAPACITOR | 0.4uF DC400V H |
| C513 | QFZ0197-335 | MPP CAPACITOR | 3.3uF 250V J |
| C514 | QCS32HJ-561 | C CAPACITOR | 560pF 500V J |
| C521 | QCZ0122-681 | C CAPACITOR | 680pF 2kV K |
| C522 | QCZ0122-681 | C CAPACITOR | 680pF 2kV K |
| C523 | QFN32AJ-682Z | M CAPACITOR | 6800pF 100V J |
| C524 | QCS31HJ-470Z | C CAPACITOR | 47pF 50V J |
| C525 | QCB31HK-682Z | C CAPACITOR | 6800pF 50V K |
| C527 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C533 | QCS32HJ-561 | C CAPACITOR | 560pF 500V J |
| C534 | QFN32DK-222Z | M CAPACITOR | 2200pF 200V K |
| C536 | QFN32DJ-152Z | M CAPACITOR | 1500pF 200V J |
| C591 | QEZ0203-107 | E CAPACITOR | 100uF 160V M |
| C701 | QFLC2AJ-223Z | M CAPACITOR | 0.022uF 100V J |
| C803 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C804 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C807 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C808 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C809 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C810 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C812 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J |
| C818 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C819 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C820 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C821 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C822 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C823 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C824 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C825 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C827 | QETN1HM-477Z | E CAPACITOR | 470uF 50V M |
| C828 | QETN1HM-477Z | E CAPACITOR | 470uF 50V M |
| C829 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C830 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C831 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C832 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C833 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C834 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C838 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C844 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C851 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C852 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C853 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C971 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C972 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C973 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| R101 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R103 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R104 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R105 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R106 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R107 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R109 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R110 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R111 | NRSA63D-153X | MG RESISTOR | 15kΩ 1/16W D |
| R112 | NRSA63D-182X | MG RESISTOR | 1.8kΩ 1/16W D |
| R113 | NRSA63D-123X | MG RESISTOR | 12kΩ 1/16W D |
| R114 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R116 | NRSA63D-182X | MG RESISTOR | 1.8kΩ 1/16W D |
| R117 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R120 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R121 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R122 | QRG01GJ-470 | OMF RESISTOR | 47Ω 1W J |
| R123 | QRK126J-101X | UNF C RESISTOR | 100Ω 1/2W J |
| R126 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R127 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R129 | NRSA63D-183X | MG RESISTOR | 18kΩ 1/16W D |
| R131 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R133 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J |
| R134 | NRSA63J-334X | MG RESISTOR | 330kΩ 1/16W J |
| R137 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R139 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R140 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R141 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R142 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R143 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R161 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R162 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R163 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R164 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R168 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R169 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R172 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R174 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R175 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R176 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R177 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R178 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R179 | NRVA63D-562X | CMF RESISTOR | 5.6kΩ 1/16W D |
| R180 | NRSA63D-152X | MG RESISTOR | 1.5kΩ 1/16W D |
| R182 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R183 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R184 | NRSA63D-473X | MG RESISTOR | 47kΩ 1/16W D | |
| R185 | NRSA63D-183X | MG RESISTOR | 18kΩ 1/16W D | |
| R186 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R187 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R188 | NRSA63D-101X | MG RESISTOR | 100Ω 1/16W D | |
| R189 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R190 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | |
| R193 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R195 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R196 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R197 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R198 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R207 | NRS144F-274X | MG RESISTOR | 270kΩ 1/4W F | |
| R208 | NRS144F-274X | MG RESISTOR | 270kΩ 1/4W F | |
| R209 | NRS144F-184X | MG RESISTOR | 180kΩ 1/4W F | |
| R216 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R217 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R223 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R224 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R226 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R227 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R230 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R401 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R402 | NRVA63D-103X | CMF RESISTOR | 10kΩ 1/16W D | |
| R403 | QRE121J-180Y | C RESISTOR | 18Ω 1/2W J | |
| R404 | NRVA63D-682X | CMF RESISTOR | 6.8kΩ 1/16W D | |
| R405 | NRVA63D-682X | CMF RESISTOR | 6.8kΩ 1/16W D | |
| R406 | NRVA63D-472X | CMF RESISTOR | 4.7kΩ 1/16W D | |
| R407 | NRVA63D-821X | CMF RESISTOR | 820Ω 1/16W D | |
| R408 | NRVA63D-821X | CMF RESISTOR | 820Ω 1/16W D | |
| R409 | QRL029J-221 | OMF RESISTOR | 220Ω 2W J | |
| R410 | QRT029J-2R2 | MF RESISTOR | 2.2Ω 2W J | |
| R412 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R413 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R416 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R418 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R420 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R421 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R422 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R426 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R427 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R430 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J | |
| R431 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J | |
| R432 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J | |
| R501 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R502 | QRE121J-123Y | C RESISTOR | 12kΩ 1/2W J | |
| R503 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J | |
| R504 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J | |
| R505 | QRL039J-222 | OMF RESISTOR | 2.2kΩ 3W J | |
| R506 | QRE121J-5R6Y | C RESISTOR | 5.6Ω 1/2W J | |
| R512 | QRL029J-331 | OMF RESISTOR | 330Ω 2W J | |
| R521 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R522 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R523 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R524 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R525 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R526 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R531 | QRL029J-102 | OMF RESISTOR | 1kΩ 2W J | |
| R532 | QRL029J-820 | OMF RESISTOR | 82Ω 2W J | |
| R533 | QRL029J-820 | OMF RESISTOR | 82Ω 2W J | |
| R534 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R535 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R536 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R561 | NRVA63D-472X | CMF RESISTOR | 4.7kΩ 1/16W D | |
| R562 | NRVA63D-472X | CMF RESISTOR | 4.7kΩ 1/16W D | |
| R563 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R565 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R591 | QRF154K-3R3 | UNF WW RESISTOR | 3.3Ω 15W K | |
| R701 | QRG01GJ-390 | OMF RESISTOR | 39Ω 1W J | |
| R702 | QRE121J-123Y | C RESISTOR | 12kΩ 1/2W J | |
| R703 | QRZ0056-103Z | COMP RESISTOR | 10kΩ 1/2W K | |
| R801 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R802 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R803 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R804 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R805 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R806 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R811 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J | |
| R814 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J | |
| R818 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R828 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R829 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R830 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R831 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R832 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R833 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R834 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R835 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R836 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R837 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R838 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R839 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R840 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R842 | QRX01GJ-2R2 | MF RESISTOR | 2.2Ω 1W J | |
| R843 | QRL029J-221 | OMF RESISTOR | 220Ω 2W J | |
| R844 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R846 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | |
| R847 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J | |
| R848 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R850 | QRX01GJ-2R2 | MF RESISTOR | 2.2Ω 1W J | |
| R851 | QRL029J-221 | OMF RESISTOR | 220Ω 2W J | |
| R852 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R854 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J | |
| R855 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J | |
| R856 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R858 | QRX01GJ-3R3 | MF RESISTOR | 3.3Ω 1W J | |
| R859 | QRL029J-221 | OMF RESISTOR | 220Ω 2W J | |
| R860 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R862 | QRX01GJ-1R8 | MF RESISTOR | 1.8Ω 1W J | |
| R863 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J | |
| R864 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R866 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R867 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R873 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R874 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R972 | NRSA63D-112X | MG RESISTOR | 1.1kΩ 1/16W D | |
| R973 | QRA14CF-7501Y | CMF RESISTOR | 7.5kΩ 1/4W F | |
| R975 | QRE121J-223Y | C RESISTOR | 22kΩ 1/2W J | |
| R977 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R978 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| L101 | QQL01BK-470Z | PEAKING COIL | 47uH K | |
| L103 | NQL092K-100X | COIL | 10uH K | |
| L104 | NQL092K-100X | COIL | 10uH K | |
| L105 | QQL01BK-101Z | PEAKING COIL | 100uH K | |
| L301 | QQLZ026-140 | COIL | 14uH ±7% | |
| L502 | QQR1408-001 | CHOKE COIL | | |
| L505 | QQR1149-004 | LINEARITY COIL | | |
| L531 | QQR1422-005 | CHOKE COIL | | |
| L701 | QQR1422-005 | CHOKE COIL | | |
| L802 | QQL521J-470 | COIL | 47uH J | |
| T501 | QQR1111-001 | DRIVE TRANSF | | |
| T701 | QQR1458-001 | DAF TRANS | | |
| CN007 | QGB1506M1-16 | CONNECTOR | B-B (1-16) | |
| CN008 | QGB1506M1-16 | CONNECTOR | B-B (1-16) | |
| CN00N | QJB003-101010 | SIN ID C-C WIRE | | |
| CN00Y | WJK0170-001A | E-SI C WIRE C-B | | |
| CN011 | QGB2501J1-15 | CONNECTOR | B-B (1-15) | |
| CN012 | QGB2501J1-15 | CONNECTOR | B-B (1-15) | |
| CN0AA | WJP0037-001A | W TO B CONNE | | |
| ⚠FR301 | QRZ9011-1R0 | FUSI RESISTOR | 1Ω 1/2W J | |
| ⚠FR302 | QRZ9011-1R0 | FUSI RESISTOR | 1Ω 1/2W J | |
| ⚠FR311 | QRZ9011-4R7 | FUSI RESISTOR | 4.7Ω 1/2W J | |
| H401 | LC30416-001A | HEAT SINK/AL-F/ | | |
| H503 | LC31212-001B | HEAT SINK/AL-F/ | | |
| H506 | LC30521-001A | HEAT SINK/AL-F/ | | |
| H531 | CEHT11B-005QS | HEAT SINK | | |
| H801 | CEHT11B-002QS | HEAT SINK | | |
| H804 | LC31881-001A | HEAT SINK | | |
| H805 | LC31881-001A | HEAT SINK | | |
| K401 | QQR0621-002Z | FERRITE BEADS | | |
| K501 | QQR1139-001 | FERRITE BEADS | | |
| K504 | QQR1139-001 | FERRITE BEADS | | |
| K801 | QQR0621-002Z | FERRITE BEADS | | |
| K802 | QQR0621-002Z | FERRITE BEADS | | |
| K803 | QQR0621-002Z | FERRITE BEADS | | |
| K804 | QQR0621-002Z | FERRITE BEADS | | |
| K805 | QQR0621-002Z | FERRITE BEADS | | |
| K806 | QQR0621-002Z | FERRITE BEADS | | |
| K807 | QQR0621-002Z | FERRITE BEADS | | |
| K808 | QQR0621-002Z | FERRITE BEADS | | |
| K809 | QQR0621-002Z | FERRITE BEADS | | |
| K810 | QQR0621-002Z | FERRITE BEADS | | |
| K811 | QQR0621-002Z | FERRITE BEADS | | |

## R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC1001 | TDA6111Q | IC | | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| D1006 | RM2C-LFA1 | SI DIODE | | |
| D1101 | EU01N-T2 | SI DIODE | | |
| D1102 | MA8150/M/-X | Z DIODE | | |
| C1002 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C1004 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C1005 | QFZ9027-472 | MM CAPACITOR | 4700pF 1000V K | |
| C1101 | NDC31HJ-6R0X | C CAPACITOR | 6pF 50V J | |
| C1102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1103 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C1104 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C1107 | QFK62EK-104Z | MM CAPACITOR | 0.1uF 250V K | |
| C1108 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| R1001 | QRE121J-105Y | C RESISTOR | 1MΩ 1/2W J | |
| R1002 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R1003 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K | |
| R1101 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R1102 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1103 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R1104 | QRL039J-473 | OMF RESISTOR | 47kΩ 3W J | |
| R1106 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1107 | QRC121K-561Z | COMP RESISTOR | 560Ω 1/2W K | |
| L1101 | QQL26AJ-102Z | PEAKING COIL | 1mH J | |
| L1102 | QQL244K-5R6Z | PEAKING COIL | 5.6uH K | |
| H1001 | LC31150-002A | HEAT SINK/AL-F1 | | |
| SG1001 | QAF0056-501Z | SURGE ABSORBER | 500V M | |
| ⚠SK1001 | QNZ0536-001 | CRT SOCKET | | |

## G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC2001 | TDA6111Q | IC | | |
| D2006 | RM2C-LFA1 | SI DIODE | | |
| D2101 | EU01N-T2 | SI DIODE | | |
| D2102 | MA8150/M/-X | Z DIODE | | |
| C2001 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C2002 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C2004 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C2005 | QFZ9027-472 | MM CAPACITOR | 4700pF 1000V K | |
| C2010 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C2101 | NDC31HJ-6R0X | C CAPACITOR | 6pF 50V J | |
| C2102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C2103 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C2104 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C2107 | QFK62EK-104Z | MM CAPACITOR | 0.1uF 250V K | |
| C2108 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| R2001 | QRE121J-105Y | C RESISTOR | 1MΩ 1/2W J | |
| R2002 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R2003 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K | |
| R2010 | NRSA63D-123X | MG RESISTOR | 12kΩ 1/16W D | |
| R2011 | NRSA63D-223X | MG RESISTOR | 22kΩ 1/16W D | |
| R2012 | NRSA63D-472X | MG RESISTOR | 4.7kΩ 1/16W D | |
| R2101 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R2102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R2103 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R2104 | QRL039J-473 | OMF RESISTOR | 47kΩ 3W J | |
| R2106 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R2107 | QRC121K-561Z | COMP RESISTOR | 560Ω 1/2W K | |
| L2001 | QQL26AJ-102Z | PEAKING COIL | 1mH J | |
| L2101 | QQL26AJ-102Z | PEAKING COIL | 1mH J | |
| L2102 | QQL244K-5R6Z | PEAKING COIL | 5.6uH K | |
| CN200E | WJP0058-001A | E-SI C WIRE C-B | | |
| CN200V | QJB003-051810 | SIN ID C-C WIRE | | |
| CN2GBN | QJB003-042424 | SIN ID C-B WIRE | | |
| CN2RGK | QJB003-062211 | SIN ID C-B WIRE | | |
| CN2RGN | QJB003-042424 | SIN ID C-B WIRE | | |
| H2001 | LC31150-002A | HEAT SINK/AL-F1 | | |
| SG2001 | QAF0056-501Z | SURGE ABSORBER | 500V M | |
| ⚠SK2001 | QNZ0536-001 | CRT SOCKET | | |

## B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC3001 | TDA6111Q | IC | | |
| Q3031 | 2SA1037AK/QR/-X | TRANSISTOR | | |
| D3006 | RM2C-LFA1 | SI DIODE | | |
| D3101 | EU01N-T2 | SI DIODE | | |
| D3102 | MA8150/M/-X | Z DIODE | | |
| D3201 | MA111-X | SI DIODE | | |
| C3002 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C3004 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C3005 | QFZ9027-472 | MM CAPACITOR | 4700pF 1000V K | |
| C3101 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J | |
| C3102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C3103 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C3104 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C3107 | QFK62EK-104Z | MM CAPACITOR | 0.1uF 250V K | |
| C3108 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C3201 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J | |
| R3001 | QRE121J-105Y | C RESISTOR | 1MΩ 1/2W J | |
| R3002 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3003 | QRZ0107-152Z | C RESISTOR | 1.5kΩ 1/2W K | |
| R3031 | NRSA63D-123X | MG RESISTOR | 12kΩ 1/16W D | |
| R3032 | NRSA63D-562X | MG RESISTOR | 5.6kΩ 1/16W D | |
| R3033 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R3101 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| R3102 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R3103 | NRSA63J-821X | MG RESISTOR | 820Ω 1/16W J | |
| R3104 | QRL039J-473 | OMF RESISTOR | 47kΩ 3W J | |
| R3106 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3107 | QRC121K-561Z | COMP RESISTOR | 560Ω 1/2W K | |
| R3201 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J | |
| L3101 | QQL26AJ-102Z | PEAKING COIL | 1mH J | |
| L3102 | QQL244K-5R6Z | PEAKING COIL | 5.6uH K | |
| CN3GBK | QJB003-062211 | SIN ID C-B WIRE | | |
| H3001 | LC31150-002A | HEAT SINK/AL-F1 | | |
| SG3001 | QAF0056-501Z | SURGE ABSORBER | 500V M | |
| ⚠SK3001 | QNZ0536-001 | CRT SOCKET | | |

## VM P.W. BOARD ASS'Y (SRP-7201A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| Q7101 | 2SC1906-T | TRANSISTOR | | |
| Q7102 | 2SA1005/MLK/-T | TRANSISTOR | | |
| Q7103 | 2SC1959/Y/-T | TRANSISTOR | | |
| Q7104 | 2SA562TM/Y/-T | TRANSISTOR | | |
| Q7105 | 2SJ407 | POWER MOS FET | | |
| Q7106 | 2SK2381 | POWER MOS FET | | |
| D7101 | 1SS355-X | SI DIODE | | |
| D7102 | RGP10J-04TS-T3 | SI DIODE | | |
| D7103 | RGP10J-04TS-T3 | SI DIODE | | |
| C7101 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |
| C7102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C7103 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C7104 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C7107 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K | |
| C7108 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K | |
| C7109 | QETN2CM-475Z | E CAPACITOR | 4.7uF 160V M | |
| C7110 | QETN2AM-226Z | E CAPACITOR | 22uF 100V M | |
| C7111 | QETN2AM-226Z | E CAPACITOR | 22uF 100V M | |
| C7112 | QFN31HJ-222Z | M CAPACITOR | 2200pF 50V J | |
| C7113 | QFN31HJ-222Z | M CAPACITOR | 2200pF 50V J | |
| C7116 | QCS32HJ-330Z | C CAPACITOR | 33pF 500V J | |
| C7117 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K | |
| C7118 | QFN32DK-103 | M CAPACITOR | 0.01uF 200V K | |
| C7119 | QFK62EK-104Z | MM CAPACITOR | 0.1uF 250V K | |
| C7120 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K | |
| R7101 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R7102 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R7103 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R7104 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R7105 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J | |
| R7106 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R7107 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R7110 | QRJ146J-681X | UNF C RESISTOR | 680Ω 1/4W J |
| R7111 | QRE121J-473Y | C RESISTOR | 47kΩ 1/2W J |
| R7112 | QRE121J-473Y | C RESISTOR | 47kΩ 1/2W J |
| R7113 | QRJ146J-681X | UNF C RESISTOR | 680Ω 1/4W J |
| R7114 | QRJ146J-470X | UNF C RESISTOR | 47Ω 1/4W J |
| R7115 | QRJ146J-470X | UNF C RESISTOR | 47Ω 1/4W J |
| R7116 | QRG01GJ-150 | OMF RESISTOR | 15Ω 1W J |
| R7119 | QRG01GJ-220 | OMF RESISTOR | 22Ω 1W J |
| R7120 | QRL039J-150 | OMF RESISTOR | 15Ω 3W J |
| R7121 | QRL039J-150 | OMF RESISTOR | 15Ω 3W J |
| R7122 | QRL039J-150 | OMF RESISTOR | 15Ω 3W J |
| R7123 | QRL039J-150 | OMF RESISTOR | 15Ω 3W J |
| R7124 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| CN700J | QJB003-052610 | SIN ID C-B WIRE | |
| H7105 | CEHS12B-002Q | HEAT SINK | |
| H7106 | CEHS12B-002Q | HEAT SINK | |
| K7101 | QQR1114-001Z | FERRITE BEADS | |

## REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC8001 | GP1UM281QK | IR DETECT UNIT | 38kHz |
| D8001 | MA8068-X | CHIP ZENER DIODE | |
| C8001 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C8002 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| R8001 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R8004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |

## POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC911 | STR-X6737M-F2 | IC | |
| IC921 | SE140N | IC | |
| Q811 | UN221C-X | DIGI TRANSISTOR | |
| Q950 | UN221C-X | DIGI TRANSISTOR | |
| Q952 | UN221C-X | DIGI TRANSISTOR | |
| Q953 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q954 | UN221C-X | DIGI TRANSISTOR | |
| Q955 | UN2211-X | TRANSISTOR | |
| Q956 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q961 | UN221C-X | DIGI TRANSISTOR | |
| Q962 | 2SC4682-T | TRANSISTOR | |
| Q970 | 2SC3928A/QR/-X | TRANSISTOR | |
| D815 | MA8150/M/-X | Z DIODE | |
| D816 | MA8068/M/-X | CHIP ZENER DIODE | |
| ⚠D901 | RBV-606 | BRIDGE DIODE | |
| ⚠D911 | RGP10J-5025-T3 | SI DIODE | |
| D912 | RGP10J-5025-T3 | SI DIODE | |
| D913 | MA111-X | SI DIODE | |
| D914 | MA111-X | SI DIODE | |
| D915 | SARS01-T2 | SI DIODE | |
| D920 | MA111-X | SI DIODE | |
| D921 | MA8056/M/-X | Z DIODE | |
| D931 | RU4AM-F1 | SI DIODE | |
| D932 | 31DF6N-FC5 | FR DIODE | |
| D935 | RU3YX-LFC4 | SI DIODE | |
| D936 | FMX-G12S | SI DIODE | |
| D937 | RGP10J-5025-T3 | SI DIODE | |
| D938 | FMX-G12S | SI DIODE | |
| D939 | RD12E/B1/-T2 | Z DIODE | |
| D941 | MA8300/H/-X | Z DIODE | |
| D943 | RD12E/B1/-T2 | Z DIODE | |
| D956 | MA111-X | SI DIODE | |
| D957 | MA111-X | SI DIODE | |
| D958 | MA8068/M/-X | CHIP ZENER DIODE | |
| D959 | MA111-X | SI DIODE | |
| D961 | MTZJ22B-T2 | Z DIODE | |
| D970 | MA8030/H/-X | Z DIODE | |
| D980 | 1SR35-400A-T2 | SI DIODE | |
| D981 | MA111-X | SI DIODE | |
| D983 | 1SR35-400A-T2 | SI DIODE | |
| ⚠C801 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C802 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| ⚠C803 | QFZ9072-104 | MM CAPACITOR | 0.1uF AC250V K |
| C903 | NCB31HK-221X | C CAPACITOR | 220pF 50V K |
| ⚠C904 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C905 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| ⚠C906 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C907 | QEZ0572-128 | E CAPACITOR | 1200uF 200V M |
| ⚠C908 | QCZ9054-102 | C CAPACITOR | 1000pF AC250V Z |
| C912 | QCZ0340-332 | C CAPACITOR | 3300pF 2kV K |
| C913 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C914 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C916 | QCS31HJ-331Z | C CAPACITOR | 330pF 50V J |
| C917 | QFN31HJ-332Z | M CAPACITOR | 3300pF 50V J |
| C918 | QFVF1HJ-104Z | MF CAPACITOR | 0.1uF 50V J |
| C919 | QFP32GJ-103 | PP CAPACITOR | 0.01uF 400V J |
| C920 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C930 | QCS31HJ-181Z | C CAPACITOR | 180pF 50V J |
| C931 | QEZ0203-227 | E CAPACITOR | 220uF 160V M |
| C932 | QETM1EM-228 | E CAPACITOR | 2200uF 25V M |
| C934 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |
| C935 | QETN1VM-108Z | E CAPACITOR | 1000uF 35V M |
| C937 | QCZ0340-152 | C CAPACITOR | 1500pF 2kV K |
| C943 | QETN1EM-227Z | E CAPACITOR | 220uF 25V M |
| C945 | QETM1HM-108 | E CAPACITOR | 1000uF 50V M |
| C954 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C955 | NCB21AK-105X | C CAPACITOR | 1uF 10V K |
| C962 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| ⚠C993 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M |
| ⚠C994 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M |
| ⚠C995 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M |
| ⚠C997 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M |
| ⚠C998 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M |
| ⚠C999 | QCZ9078-222 | C CAPACITOR | 2200pF AC250V M |
| ⚠R801 | QRZ9041-275 | C RESISTOR | 2.7MΩ 1/2W K |
| R812 | QRE121J-104Y | C RESISTOR | 100kΩ 1/2W J |
| R813 | QRE121J-104Y | C RESISTOR | 100kΩ 1/2W J |
| R814 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R815 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R816 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R818 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R901 | QRF154K-R51 | UNF WW RESISTOR | 0.51Ω 15W K |
| R910 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R911 | QRL029J-393 | OMF RESISTOR | 39kΩ 2W J |
| R912 | QRT029J-R15 | MF RESISTOR | 0.15Ω 2W J |
| R913 | QRT029J-R18 | MF RESISTOR | 0.18Ω 2W J |
| R917 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R918 | QRE121J-102Y | C RESISTOR | 1kΩ 1/2W J |
| R920 | QRE121J-684Y | C RESISTOR | 680kΩ 1/2W J |
| R922 | QRE121J-101Y | C RESISTOR | 100Ω 1/2W J |
| R923 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R925 | QRG01GJ-470 | OMF RESISTOR | 47Ω 1W J |
| R932 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R941 | QRL039J-333 | OMF RESISTOR | 33kΩ 3W J |
| R944 | QRE121J-182Y | C RESISTOR | 1.8kΩ 1/2W J |
| R948 | QRE121J-102Y | C RESISTOR | 1kΩ 1/2W J |
| R957 | QRL029J-102 | OMF RESISTOR | 1kΩ 2W J |
| R959 | QRE121J-121Y | C RESISTOR | 120Ω 1/2W J |
| R961 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R962 | QRE121J-153Y | C RESISTOR | 15kΩ 1/2W J |
| R963 | QRE121J-153Y | C RESISTOR | 15kΩ 1/2W J |
| R964 | NRSA63D-682X | MG RESISTOR | 6.8kΩ 1/16W D |
| R965 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R967 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R968 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R969 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R971 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R973 | QRE121J-103Y | C RESISTOR | 10kΩ 1/2W J |
| R974 | QRE121J-153Y | C RESISTOR | 15kΩ 1/2W J |
| R975 | NRSA63D-153X | MG RESISTOR | 15kΩ 1/16W D |
| R976 | NRSA63J-393X | MG RESISTOR | 39kΩ 1/16W J |
| R986 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R988 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R989 | QRG01GJ-152 | OMF RESISTOR | 1.5kΩ 1W J |
| ⚠R999 | QRZ0111-685 | C RESISTOR | 6.8MΩ 1/2W K |
| L931 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| ⚠T921 | QQS0264-001 | SW TRANSF | |
| CN001 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN002 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN003 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN007 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| CN008 | QGB1506L1-16 | CONNECTOR | B-B (1-16) | |
| ⚠CP934 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP936 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP941 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP942 | ICP-N70-T | IC PROTECTOR | 2.5A | |
| ⚠CP943 | ICP-N20-Y | IC PROTECTOR | 800mA | |
| ⚠F801 | QMF61U1-7R0-S | FUSE | 7A AC125V | |
| ⚠F905 | QMFZ049-5R0Z-E | FUSE | 5A 125V | |
| ⚠FR915 | QRZ9017-470 | FUSI RESISTOR | 47Ω 1/4W J | |
| H901 | LC30171-001A | HEAT SINK/FE-P/ | | |
| H911 | LC31211-001A | HEAT SINK/AL-F/ | | |
| H936 | CM42862-00J-H | HEAT SINK ASSY | | |
| H940 | CEHT11B-002QS | HEAT SINK | | |
| K914 | QQR0582-001Z | FERRITE BEADS | | |
| K930 | QQR0621-002Z | FERRITE BEADS | | |
| K931 | QQR0621-002Z | FERRITE BEADS | | |
| K932 | QQR0582-001Z | FERRITE BEADS | | |
| K935 | QQR0621-002Z | FERRITE BEADS | | |
| K937 | QQR0621-002Z | FERRITE BEADS | | |
| K938 | QQR0621-002Z | FERRITE BEADS | | |
| ⚠LF801 | QQR1407-001 | LINE FILTER | | |
| ⚠LF802 | QQR1407-001 | LINE FILTER | | |
| PC811 | PS2581AL1/QW/ | PHOTO COUPLER | | |
| PC921 | PS2581AL1/QW/ | PHOTO COUPLER | | |
| ⚠RY952 | QSK0083-001 | RELAY | | |
| ⚠VA801 | QAF0060-621 | VARISTOR | 620V | |

## FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC0703 | BA05FP-X | IC | | |
| Q0701 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q0702 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D0402 | MA8100/M/-X | Z DIODE | | |
| D0403 | MA8100/M/-X | Z DIODE | | |
| D0404 | MA8100/M/-X | Z DIODE | | |
| D0405 | MA8100/M/-X | Z DIODE | | |
| D0406 | MA8100/M/-X | Z DIODE | | |
| D0701 | HLMP-NS30-J0000 | LED | POWER | |
| D0703 | MA8068-X | CHIP ZENER DIODE | | |
| D0704 | MA8068-X | CHIP ZENER DIODE | | |
| D0735 | MA8100/M/-X | Z DIODE | | |
| C0442 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C0443 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C0444 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C0445 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C0446 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J | |
| C0710 | QETN1VM-476Z | E CAPACITOR | 47uF 35V M | |
| C0711 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M | |
| C0712 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| R0401 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0402 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R0403 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R0404 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0405 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R0413 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R0414 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R0415 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R0416 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R0706 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R0707 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R0708 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0711 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R0712 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0732 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R0748 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R0749 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R0750 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R0751 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| J0401 | QNZ0438-001 | AV JACK | S/V/L/R IN | |
| S0701 | QSW0619-003Z | TACT SWITCH | POWER | |
| S0702 | QSW0619-003Z | TACT SWITCH | MENU | |
| S0703 | QSW0619-003Z | TACT SWITCH | CH- | |
| S0704 | QSW0619-003Z | TACT SWITCH | CH+ | |
| S0705 | QSW0619-003Z | TACT SWITCH | VOL- | |
| S0706 | QSW0619-003Z | TACT SWITCH | VOL+ | |
| S0707 | QSW0619-003Z | TACT SWITCH | SUPER FOCUS | |

## DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7803A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| MD001 | SRP-7803A-M2 | DIGITAL INPUT MODULE PWB | | |

## DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K003A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| MD001 | SRP0K003A-M2 | DIGITAL CONVERGENCE MODULE PWB | | |

## MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| MD001 | SRP0D001A-M2 | MI-CON & DIST MODULE PWB | | |

# PRINTED WIRING BOARD PARTS LIST [AV-56P575/H]

## MAIN P.W. BOARD ASS'Y (SRP-1004A-M2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC1101 | L7805CP | IC | | |
| IC1140 | CXA2205Q-X | IC | | |
| IC1211 | TA1318N | IC | | |
| IC1212 | SN74AHC2G08T-X | IC | | |
| IC1301 | AN15852A | IC | | |
| IC1501 | CXA2069Q | IC | | |
| IC1502 | M62320FP-X | IC | | |
| IC1511 | PQ033RD01SZ | IC | | |
| IC1641 | NJM2150AM-X | IC | | |
| IC1661 | AN5277 | IC | | |
| IC1703 | AT24C128-56P585 | IC | (SERVICE) | |
| IC1802 | BA033T | REGULATOR IC | | |
| IC1941 | PQ1CG21H2FZ | IC | | |
| IC1942 | SI-8050JD-W | IC | | |
| IC1943 | PQ1CY1032Z-W | IC | | |
| IC1981 | PQ070XZ01Z-X | IC | | |
| IC1991 | PQ12RD11 | IC | | |
| IC1993 | MM1565AF-X | IC | | |
| IC3001 | MN82832 | IC | | |
| IC3002 | R1170H331B-X | IC | | |
| IC6001 | NJM2701M-X | IC | | |
| Q0701 | 2SK2090-X | MOS FET | | |
| Q0702 | 2SK2090-X | MOS FET | | |
| Q1101 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1102 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1232 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1252 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1253 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1254 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1255 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1301 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q1302 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q1303 | 2SC3837K/NP/-X | TRANSISTOR | | |
| Q1401 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1511 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1531 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1668 | UN2213-X | DIGI TRANSISTOR | | |
| Q1669 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1671 | UN2213-X | DIGI TRANSISTOR | | |
| Q1672 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1673 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1674 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1712 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1713 | 2SC2785/JH/-T | SI TRANSISTOR | | |
| Q1714 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q1961 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1962 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1964 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q1965 | UN2213-X | DIGI TRANSISTOR | | |
| Q1966 | UN2213-X | DIGI TRANSISTOR | | |
| Q1967 | UN2213-X | DIGI TRANSISTOR | | |
| Q1981 | 2SC4682-T | TRANSISTOR | | |
| Q1984 | 2SC4682-T | TRANSISTOR | | |
| Q3001 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3002 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3003 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3004 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3005 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3006 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3007 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3501 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3502 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3505 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3506 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q3509 | 2SA1530A/QR/-X | TRANSISTOR | | |
| Q3510 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6001 | 2SC3928A/QR/-X | TRANSISTOR | | |
| Q6002 | 2SC3928A/QR/-X | TRANSISTOR | | |
| D1093 | MA8082/M/-X | Z DIODE | | |
| D1140 | MA8100/M/-X | Z DIODE | | |
| D1141 | MA8100/M/-X | Z DIODE | | |
| D1145 | MA8082/M/-X | Z DIODE | | |
| D1146 | MA8082/M/-X | Z DIODE | | |
| D1251 | MA8100/M/-X | Z DIODE | | |
| D1252 | MA8100/M/-X | Z DIODE | | |
| D1253 | MA111-X | SI DIODE | | |
| D1301 | MA8100/M/-X | Z DIODE | | |
| D1302 | MA8100/M/-X | Z DIODE | | |
| D1305 | MA8100/M/-X | Z DIODE | | |
| D1306 | MA8100/M/-X | Z DIODE | | |
| D1401 | MA111-X | SI DIODE | | |
| D1402 | UDZS5.1B-X | Z DIODE | | |
| D1403 | MA111-X | SI DIODE | | |
| D1513 | MA111-X | SI DIODE | | |
| D1596 | MA8100/M/-X | Z DIODE | | |
| D1667 | MA111-X | SI DIODE | | |
| D1668 | MA111-X | SI DIODE | | |
| D1669 | MA111-X | SI DIODE | | |
| D1702 | MA111-X | SI DIODE | | |
| D1703 | MA111-X | SI DIODE | | |
| D1704 | MA8100/M/-X | Z DIODE | | |
| D1705 | MA8100/M/-X | Z DIODE | | |
| D1712 | MA111-X | SI DIODE | | |
| D1802 | MA111-X | SI DIODE | | |
| D1895 | MA8082/M/-X | Z DIODE | | |
| D1896 | MA8082/M/-X | Z DIODE | | |
| D1897 | MA8051/M/-X | Z DIODE | | |
| D1898 | MA8051/M/-X | Z DIODE | | |
| D1947 | EC31QS04-X | SB DIODE | | |
| D1948 | EC31QS04-X | SB DIODE | | |
| D1949 | EC31QS04-X | SB DIODE | | |
| D1962 | MA3030/H/-X | Z DIODE | | |
| D1964 | MA111-X | SI DIODE | | |
| D1965 | MA111-X | SI DIODE | | |
| D1967 | PTZ6.8B-X | Z DIODE | | |
| D1968 | PTZ3.9B-X | Z DIODE | | |
| D1969 | PTZ11B-X | Z DIODE | | |
| D1981 | MA111-X | SI DIODE | | |
| D1991 | MA111-X | SI DIODE | | |
| D1993 | MA111-X | SI DIODE | | |
| D2101 | MA8100/M/-X | Z DIODE | | |
| D2121 | MA8100/M/-X | Z DIODE | | |
| D2201 | MA8100/M/-X | Z DIODE | | |
| D2204 | MA8100/M/-X | Z DIODE | | |
| D2205 | MA8100/M/-X | Z DIODE | | |
| D2206 | MA8100/M/-X | Z DIODE | | |
| D2209 | MA8100/M/-X | Z DIODE | | |
| D2210 | MA8100/M/-X | Z DIODE | | |
| D2212 | MA8100/M/-X | Z DIODE | | |
| D2213 | MA8100/M/-X | Z DIODE | | |
| D2215 | MA8100/M/-X | Z DIODE | | |
| D2216 | MA8100/M/-X | Z DIODE | | |
| D2217 | MA8100/M/-X | Z DIODE | | |
| D2218 | MA8100/M/-X | Z DIODE | | |
| D2219 | MA8100/M/-X | Z DIODE | | |
| D2401 | MA8100/M/-X | Z DIODE | | |
| D2402 | MA8100/M/-X | Z DIODE | | |
| D2403 | MA8100/M/-X | Z DIODE | | |
| D2404 | MA8100/M/-X | Z DIODE | | |
| D2406 | MA8100/M/-X | Z DIODE | | |
| D2421 | MA8100/M/-X | Z DIODE | | |
| D2422 | MA8100/M/-X | Z DIODE | | |
| C1101 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M | |
| C1102 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C1103 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1111 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C1140 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1141 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1144 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1145 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K | |
| C1146 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C1147 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1148 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C1149 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K | |
| C1150 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1151 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K | |
| C1152 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1153 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K | |
| C1154 | NCB31HK-123X | C CAPACITOR | 0.012uF 50V K | |
| C1155 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |
| C1156 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1157 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1158 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1159 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C1160 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1161 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M | |
| C1162 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1163 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K | |
| C1164 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K | |
| C1165 | QETN1HM-335Z | E CAPACITOR | 3.3uF 50V M | |
| C1166 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M | |
| C1167 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M | |
| C1168 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C1169 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1170 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1171 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1172 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1213 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1214 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C1215 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J |
| C1216 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C1218 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1219 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C1233 | NDC31HJ-180X | C CAPACITOR | 18pF 50V J |
| C1257 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1258 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1301 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1302 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1303 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1304 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1305 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1306 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1307 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C1308 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1309 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1311 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1312 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1313 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1322 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1323 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1324 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1325 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1326 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1327 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1328 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1329 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1331 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1332 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1333 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1341 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1342 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1343 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1351 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1352 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1353 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1355 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1371 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1372 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1381 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1382 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1391 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1392 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1403 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1404 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1405 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1406 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1409 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1410 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1411 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1412 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1415 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1416 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1417 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1418 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1421 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1423 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M |
| C1442 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1502 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1510 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M |
| C1519 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1531 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1532 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C1539 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1540 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| C1553 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1554 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1555 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1556 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1557 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1579 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1641 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C1642 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K |
| C1643 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K |
| C1645 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1646 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1647 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C1648 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1651 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C1652 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K |
| C1653 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K |
| C1667 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1668 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1669 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1670 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1671 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1672 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1673 | QETN1HM-477Z | E CAPACITOR | 470uF 50V M |
| C1674 | QETM1HM-108 | E CAPACITOR | 1000uF 50V M |
| C1675 | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C1676 | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C1677 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C1678 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C1679 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1680 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1696 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1697 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1702 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1712 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M |
| C1806 | QETN1VM-476Z | E CAPACITOR | 47uF 35V M |
| C1807 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1941 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1942 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C1943 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1944 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1945 | QEZ0256-128 | E CAPACITOR | 1200uF 10V M |
| C1946 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1947 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1948 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1949 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1950 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1951 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1952 | QEZ0256-128 | E CAPACITOR | 1200uF 10V M |
| C1953 | QETN0JM-228Z | E CAPACITOR | 2200uF 6.3V M |
| C1955 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1961 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1981 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1984 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1985 | QETN0JM-477Z | E CAPACITOR | 470uF 6.3V M |
| C1991 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C1992 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1994 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C1995 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C1996 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C2103 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2104 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2105 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2106 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2123 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C2124 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2126 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2127 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2128 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2144 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2145 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2146 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2302 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2303 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2322 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2323 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2341 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2342 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2343 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C3001 | QENC1AM-336Z | BP E CAPACITOR | 33uF 10V M |
| C3002 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3003 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3004 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3005 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3006 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3007 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |
| C3008 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3009 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3010 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3011 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3012 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3013 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3014 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3015 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3016 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3017 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C3018 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3019 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3020 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3021 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3022 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C3023 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3024 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3025 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3026 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3027 | NDC31HJ-7R0X | C CAPACITOR | 7pF 50V J |
| C3028 | NDC31HJ-7R0X | C CAPACITOR | 7pF 50V J |
| C3029 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3030 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3031 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3032 | NDC31HJ-560X | C CAPACITOR | 56pF 50V J |
| C3033 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J |
| C3034 | NDC31HJ-560X | C CAPACITOR | 56pF 50V J |
| C3035 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J |
| C3036 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3037 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3038 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3039 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3041 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3042 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3044 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3045 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3046 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3047 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3048 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3049 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3050 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3051 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3052 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3053 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3054 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3055 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3056 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3057 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3058 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3059 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C3060 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3061 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C3062 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3063 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C3064 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3065 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3066 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3067 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C3068 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3069 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C3070 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3071 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C3072 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3077 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |
| C3078 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3079 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J |
| C3080 | QBTC1CK-106Z | TA E CAPACITOR | 10uF 16V K |
| C3082 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3086 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K |
| C3088 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C3089 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C3090 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C3099 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3100 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3502 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C3503 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3504 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3506 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3507 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3508 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C3509 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3510 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3512 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3513 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3514 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C3515 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3516 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3518 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3519 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M |
| C3520 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M |
| C3521 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M |
| C6001 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C6002 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C6003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6004 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6005 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C6006 | NCB31CK-273X | C CAPACITOR | 0.027uF 16V K |
| C6007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6008 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C6009 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C6010 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R0705 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R0706 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1097 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1104 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1105 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1107 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R1110 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1111 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R1112 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1140 | NRSA63J-225X | MG RESISTOR | 2.2MΩ 1/16W J |
| R1141 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1142 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1143 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J |
| R1144 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1145 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R1146 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1147 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R1149 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1151 | NRSA63J-302X | MG RESISTOR | 3kΩ 1/16W J |
| R1152 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R1157 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1158 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1202 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1203 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1218 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R1219 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R1220 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1221 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1226 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1228 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1229 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1230 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1231 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1232 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1234 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R1236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1240 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1261 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R1262 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R1265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1266 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1267 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1268 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1269 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1272 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R1282 | QRE141J-221Y | C RESISTOR | 220Ω 1/4W J |
| R1283 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R1284 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1285 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R1286 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1287 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R1301 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1302 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1337 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R1347 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R1372 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1374 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1375 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R1378 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1382 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1384 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1385 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R1392 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1394 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1395 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R1401 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1402 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1421 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R1422 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1423 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1501 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R1502 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R1505 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1511 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1513 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1514 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1515 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1516 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1517 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1518 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1519 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1520 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1521 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1522 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1523 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1524 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R1525 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1526 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1527 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1528 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1529 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1530 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1533 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1534 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1535 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1536 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1537 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1538 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1539 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1560 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1562 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1571 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1577 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1578 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1579 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1611 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1612 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1614 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1615 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1616 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R1641 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1642 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1643 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1651 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1652 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1653 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1659 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1665 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1666 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1667 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1668 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1669 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1670 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1671 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R1672 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J |
| R1673 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R1674 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J |
| R1680 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R1681 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R1682 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1691 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1694 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R1695 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1696 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R1697 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1701 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1702 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1703 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1712 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R1713 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R1714 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R1715 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R1716 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1718 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R1895 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1896 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1897 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1898 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1899 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1900 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R1942 | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D |
| R1943 | NRSA63D-123X | MG RESISTOR | 12kΩ 1/16W D |
| ⚠R1944 | QRK126J-220X | UNF C RESISTOR | 22Ω 1/2W J |
| R1945 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1946 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1949 | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D |
| R1950 | NRSA63D-822X | MG RESISTOR | 8.2kΩ 1/16W D |
| R1952 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R1953 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R1957 | NRSA63D-682X | MG RESISTOR | 6.8kΩ 1/16W D |
| R1959 | NRSA63D-182X | MG RESISTOR | 1.8kΩ 1/16W D |
| R1961 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1962 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R1963 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R1964 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R1965 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1966 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R1967 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J |
| R1968 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1969 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1971 | QRT039J-R68 | MF RESISTOR | 0.68Ω 3W J |
| R1975 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1978 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| ⚠R1981 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| R1982 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D |
| R1983 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D |
| R1984 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R1985 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| ⚠R1986 | QRK126J-331X | UNF C RESISTOR | 330Ω 1/2W J |
| R1991 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1992 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R2102 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2103 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2104 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2105 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2106 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2122 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2123 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2125 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2126 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2127 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2144 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2145 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2146 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R2305 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2308 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2325 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R2328 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R3001 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3002 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3004 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3005 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3006 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3007 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3009 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D |
| R3010 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3012 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3013 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R3014 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3015 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R3016 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3017 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3018 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3020 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D |
| R3021 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R3023 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R3024 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3025 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3026 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3027 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3028 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3029 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3030 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R3039 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3040 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3042 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3045 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3047 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R3048 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R3049 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R3050 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R3051 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3052 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R3053 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R3054 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3055 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R3058 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3059 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R3060 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3065 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3066 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3502 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3503 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3504 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3507 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3509 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3511 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3516 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3518 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3519 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3520 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3521 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3523 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3525 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R3532 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3534 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3535 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3536 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3537 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3539 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3541 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3548 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3549 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3550 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3551 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3552 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3553 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3554 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3555 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R6001 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6002 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6003 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6004 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6006 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6007 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R6008 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R6009 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| RA3001 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| RA3002 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| RA3003 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| RA3004 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| L1211 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L1401 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L1402 | QQL26AK-100Z | CHOKE COIL | 10uH K |
| L1941 | QQR1401-001 | CHOKE COIL | |
| L1942 | QQR1401-001 | CHOKE COIL | |
| L1943 | QQL26AK-330Z | CHOKE COIL | 33uH K |
| L1944 | QQL26AK-330Z | CHOKE COIL | 33uH K |
| L1945 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L1946 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L1947 | QQR1401-001 | CHOKE COIL | |
| L1948 | QQL26AK-100Z | CHOKE COIL | 10uH K |
| L1950 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1951 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1952 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1983 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| L3001 | NQL092K-6R8X | COIL | 6.8uH K |
| L3002 | NQL092K-6R8X | COIL | 6.8uH K |
| L3003 | NQR0413-003X | FERRITE BEADS | |
| L3004 | NQR0413-003X | FERRITE BEADS | |
| L3007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| L3501 | NQL092K-6R8X | COIL | 6.8uH K |
| L3502 | NQL092K-6R8X | COIL | 6.8uH K |
| L3503 | NQL092K-6R8X | COIL | 6.8uH K |
| CN1001 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN1002 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN1003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN100Q | WJP0053-004A | E-SH C WIRE C-B | |
| CN10AU | WJP0052-002A | E-SH C WIRE C-B | |
| CN10DC | QJB003-043014 | SIN ID C-B WIRE | |
| CN10SR | QJB003-052610 | SIN ID C-B WIRE | |
| H1661 | LC30145-003A | HEAT SINK/AL-F/ | |
| H1802 | CM42862-A0A | HEAT SINK ASSY | |
| J1091 | QNS0242-001 | 3.5 JACK | AV COMPULINK |
| J2101 | QNN0628-001 | PIN JACK | V/L IN |
| J2102 | QNN0629-001 | PIN JACK | R IN/L/R OUT/CENTER CH IN |
| J2111 | QND0121-001 | S JACK | S IN |
| J2121 | QNN0638-001 | PIN JACK | COMP-1/-2 IN |
| K1943 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| K1944 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| LC1301 | QQR1199-001 | EMI FILTER | |
| LC1302 | QQR1199-001 | EMI FILTER | |
| LC1303 | QQR1199-001 | EMI FILTER | |
| LC2301 | QQR1199-001 | EMI FILTER | |
| LC2302 | QQR1199-001 | EMI FILTER | |
| LC2303 | QQR1199-001 | EMI FILTER | |
| LC2321 | QQR1199-001 | EMI FILTER | |
| LC2322 | QQR1199-001 | EMI FILTER | |
| LC2323 | QQR1199-001 | EMI FILTER | |
| LC2341 | QQR1199-001 | EMI FILTER | |
| LC2342 | QQR1199-001 | EMI FILTER | |
| LC2343 | QQR1199-001 | EMI FILTER | |
| LC3001 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3002 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3003 | NQR0483-005X | EMI FILTER | |
| LC3004 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3005 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3006 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3007 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3008 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3501 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3502 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3503 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| SL1211 | CSB503F30-T2 | C RESONATOR | |
| ⚠TU1101 | QAU0352-001 | TUNER | |
| X3001 | NAX0570-001X | CRYSTAL | 27.000MHz |

## DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## VM P.W. BOARD ASS'Y (SRP-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

## DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7804A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| MD001 | SRP-7804A-M2 | DIGITAL INPUT MODULE PWB | |

## DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K002A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| MD001 | SRP0K002A-M2 | DIGITAL CONVERGENCE MODULE PWB | |

## MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

# PRINTED WIRING BOARD PARTS LIST [AV-56P585/H]

## MAIN P.W. BOARD ASS'Y (SRP-1002A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC1101 | L7805CP | IC | |
| IC1140 | CXA2205Q-X | IC | |
| IC1211 | TA1318N | IC | |
| IC1212 | SN74AHC2G08T-X | IC | |
| IC1301 | AN15852A | IC | |
| IC1501 | CXA2069Q | IC | |
| IC1502 | M62320FP-X | IC | |
| IC1511 | PQ033RD01SZ | IC | |
| IC1641 | NJM2150AM-X | IC | |
| IC1661 | AN5277 | IC | |
| IC1703 | AT24C128-56P585 | IC | (SERVICE) |
| IC1802 | BA033T | REGULATOR IC | |
| IC1941 | PQ1CG21H2FZ | IC | |
| IC1942 | SI-8050JD-W | IC | |
| IC1943 | PQ1CY1032Z-W | IC | |
| IC1981 | PQ070XZ01Z-X | IC | |
| IC1991 | PQ12RD11 | IC | |
| IC1993 | MM1565AF-X | IC | |
| IC3001 | MN82832 | IC | |
| IC3002 | R1170H331B-X | IC | |
| IC6001 | NJM2701M-X | IC | |
| Q0701 | 2SK2090-X | MOS FET | |
| Q0702 | 2SK2090-X | MOS FET | |
| Q1101 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q1102 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1232 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q1252 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q1253 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1254 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q1255 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1301 | 2SC3837K/NP/-X | TRANSISTOR | |
| Q1302 | 2SC3837K/NP/-X | TRANSISTOR | |
| Q1303 | 2SC3837K/NP/-X | TRANSISTOR | |
| Q1401 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1511 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1531 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1668 | UN2213-X | DIGI TRANSISTOR | |
| Q1669 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1671 | UN2213-X | DIGI TRANSISTOR | |
| Q1672 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1673 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q1674 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1712 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q1713 | 2SC2785/JH/-T | SI TRANSISTOR | |
| Q1714 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q1961 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1962 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1964 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q1965 | UN2213-X | DIGI TRANSISTOR | |
| Q1966 | UN2213-X | DIGI TRANSISTOR | |
| Q1967 | UN2213-X | DIGI TRANSISTOR | |
| Q1981 | 2SC4682-T | TRANSISTOR | |
| Q1984 | 2SC4682-T | TRANSISTOR | |
| Q3001 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q3002 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q3003 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q3004 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q3005 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q3006 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q3007 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q3501 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q3502 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q3505 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q3506 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q3509 | 2SA1530A/QR/-X | TRANSISTOR | |
| Q3510 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q6001 | 2SC3928A/QR/-X | TRANSISTOR | |
| Q6002 | 2SC3928A/QR/-X | TRANSISTOR | |
| D1093 | MA8082/M/-X | Z DIODE | |
| D1140 | MA8100/M/-X | Z DIODE | |
| D1141 | MA8100/M/-X | Z DIODE | |
| D1145 | MA8082/M/-X | Z DIODE | |
| D1146 | MA8082/M/-X | Z DIODE | |
| D1251 | MA8100/M/-X | Z DIODE | |
| D1252 | MA8100/M/-X | Z DIODE | |
| D1253 | MA111-X | SI DIODE | |
| D1301 | MA8100/M/-X | Z DIODE | |
| D1302 | MA8100/M/-X | Z DIODE | |
| D1305 | MA8100/M/-X | Z DIODE | |
| D1306 | MA8100/M/-X | Z DIODE | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| D1401 | MA111-X | SI DIODE | |
| D1402 | UDZS5.1B-X | Z DIODE | |
| D1403 | MA111-X | SI DIODE | |
| D1513 | MA111-X | SI DIODE | |
| D1596 | MA8100/M/-X | Z DIODE | |
| D1667 | MA111-X | SI DIODE | |
| D1668 | MA111-X | SI DIODE | |
| D1669 | MA111-X | SI DIODE | |
| D1702 | MA111-X | SI DIODE | |
| D1703 | MA111-X | SI DIODE | |
| D1704 | MA8100/M/-X | Z DIODE | |
| D1705 | MA8100/M/-X | Z DIODE | |
| D1712 | MA111-X | SI DIODE | |
| D1802 | MA111-X | SI DIODE | |
| D1895 | MA8082/M/-X | Z DIODE | |
| D1896 | MA8082/M/-X | Z DIODE | |
| D1897 | MA8051/M/-X | Z DIODE | |
| D1898 | MA8051/M/-X | Z DIODE | |
| D1947 | EC31QS04-X | SB DIODE | |
| D1948 | EC31QS04-X | SB DIODE | |
| D1949 | EC31QS04-X | SB DIODE | |
| D1962 | MA3030/H/-X | Z DIODE | |
| D1964 | MA111-X | SI DIODE | |
| D1965 | MA111-X | SI DIODE | |
| D1967 | PTZ6.8B-X | Z DIODE | |
| D1968 | PTZ3.9B-X | Z DIODE | |
| D1969 | PTZ11B-X | Z DIODE | |
| D1981 | MA111-X | SI DIODE | |
| D1991 | MA111-X | SI DIODE | |
| D1993 | MA111-X | SI DIODE | |
| D2101 | MA8100/M/-X | Z DIODE | |
| D2121 | MA8100/M/-X | Z DIODE | |
| D2201 | MA8100/M/-X | Z DIODE | |
| D2204 | MA8100/M/-X | Z DIODE | |
| D2205 | MA8100/M/-X | Z DIODE | |
| D2206 | MA8100/M/-X | Z DIODE | |
| D2209 | MA8100/M/-X | Z DIODE | |
| D2210 | MA8100/M/-X | Z DIODE | |
| D2212 | MA8100/M/-X | Z DIODE | |
| D2213 | MA8100/M/-X | Z DIODE | |
| D2215 | MA8100/M/-X | Z DIODE | |
| D2216 | MA8100/M/-X | Z DIODE | |
| D2217 | MA8100/M/-X | Z DIODE | |
| D2218 | MA8100/M/-X | Z DIODE | |
| D2219 | MA8100/M/-X | Z DIODE | |
| D2401 | MA8100/M/-X | Z DIODE | |
| D2402 | MA8100/M/-X | Z DIODE | |
| D2403 | MA8100/M/-X | Z DIODE | |
| D2404 | MA8100/M/-X | Z DIODE | |
| D2406 | MA8100/M/-X | Z DIODE | |
| D2421 | MA8100/M/-X | Z DIODE | |
| D2422 | MA8100/M/-X | Z DIODE | |
| C1101 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1102 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1103 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1111 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1140 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1141 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1144 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1145 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K |
| C1146 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C1147 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1148 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1149 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C1150 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1151 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1152 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1153 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K |
| C1154 | NCB31HK-123X | C CAPACITOR | 0.012uF 50V K |
| C1155 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1156 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1157 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1158 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1159 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1160 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1161 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1162 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1163 | NCB31HK-272X | C CAPACITOR | 2700pF 50V K |
| C1164 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C1165 | QETN1HM-335Z | E CAPACITOR | 3.3uF 50V M |
| C1166 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1167 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1168 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C1169 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1170 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1171 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1172 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1213 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1214 | QETN1HM-225Z | E CAPACITOR | 2.2uF 50V M |
| C1215 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J |
| C1216 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C1218 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1219 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C1233 | NDC31HJ-180X | C CAPACITOR | 18pF 50V J |
| C1257 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1258 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1301 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1302 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1303 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1304 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1305 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1306 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1307 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C1308 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1309 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1311 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1312 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1313 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1322 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1323 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1324 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1325 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1326 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1327 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1328 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1329 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1331 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1332 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1333 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1341 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1342 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1343 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1351 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1352 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1353 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1354 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1355 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1371 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1372 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1381 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1382 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1391 | QETN1CM-336Z | E CAPACITOR | 33uF 16V M |
| C1392 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1403 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1404 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1405 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1406 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1409 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1410 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1411 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1412 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1415 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1416 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1417 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1418 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1421 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C1423 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M |
| C1442 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C1502 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1510 | QENC1CM-106Z | BP E CAPACITOR | 10uF 16V M |
| C1519 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1531 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1532 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C1539 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C1540 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M |
| C1553 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1554 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1555 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1556 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1557 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C1579 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1641 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C1642 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K |
| C1643 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K |
| C1645 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C1646 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1647 | QETN1HM-226Z | E CAPACITOR | 22uF 50V M |
| C1648 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1651 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C1652 | NCB31CK-153X | C CAPACITOR | 0.015uF 16V K |
| C1653 | NCB31CK-473X | C CAPACITOR | 0.047uF 16V K |
| C1667 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1668 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1669 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1670 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1671 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C1672 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1673 | QETN1HM-477Z | E CAPACITOR | 470uF 50V M |
| C1674 | QETM1HM-108 | E CAPACITOR | 1000uF 50V M |
| C1675 | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C1676 | QFV21HJ-124Z | MF CAPACITOR | 0.12uF 50V J |
| C1677 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C1678 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C1679 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1680 | QETN1HM-475Z | E CAPACITOR | 4.7uF 50V M |
| C1696 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C1697 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1702 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C1712 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M |
| C1806 | QETN1VM-476Z | E CAPACITOR | 47uF 35V M |
| C1807 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C1941 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1942 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C1943 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1944 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1945 | QEZ0256-128 | E CAPACITOR | 1200uF 10V M |
| C1946 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1947 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1948 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1949 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1950 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1951 | QETN1VM-477Z | E CAPACITOR | 470uF 35V M |
| C1952 | QEZ0256-128 | E CAPACITOR | 1200uF 10V M |
| C1953 | QETN0JM-228Z | E CAPACITOR | 2200uF 6.3V M |
| C1955 | NCB31EK-104X | C CAPACITOR | 0.1uF 25V K |
| C1961 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C1981 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C1984 | QETN0JM-108Z | E CAPACITOR | 1000uF 6.3V M |
| C1985 | QETN0JM-477Z | E CAPACITOR | 470uF 6.3V M |
| C1991 | QETN1EM-107Z | E CAPACITOR | 100uF 25V M |
| C1992 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C1994 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C1995 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C1996 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2102 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C2103 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2104 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2105 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2106 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2123 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C2124 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2126 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2127 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2128 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2144 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C2145 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2146 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C2302 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2303 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2322 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2323 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2341 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2342 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C2343 | NCB21CK-105X | C CAPACITOR | 1uF 16V K |
| C3001 | QENC1AM-336Z | BP E CAPACITOR | 33uF 10V M |
| C3002 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3003 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3004 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3005 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3006 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3007 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |
| C3008 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3009 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3010 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3011 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3012 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3013 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3014 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C3015 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3016 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3017 | QENC1HM-475Z | BP E CAPACITOR | 4.7uF 50V M |
| C3018 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3019 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3020 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3021 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3022 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C3023 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3024 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3025 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3026 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3027 | NDC31HJ-7R0X | C CAPACITOR | 7pF 50V J |
| C3028 | NDC31HJ-7R0X | C CAPACITOR | 7pF 50V J |
| C3029 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3030 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3031 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3032 | NDC31HJ-560X | C CAPACITOR | 56pF 50V J |
| C3033 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J |
| C3034 | NDC31HJ-560X | C CAPACITOR | 56pF 50V J |
| C3035 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J |
| C3036 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3037 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3038 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3039 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3041 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3042 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3044 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3045 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3046 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3047 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3048 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3049 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3050 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3051 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3052 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3053 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3054 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3055 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3056 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3057 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3058 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3059 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C3060 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3061 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C3062 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3063 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C3064 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3065 | QETN1CM-106Z | E CAPACITOR | 10uF 16V M |
| C3066 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3067 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C3068 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3069 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C3070 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C3071 | QETN1CM-476Z | E CAPACITOR | 47uF 16V M |
| C3072 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3077 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |
| C3078 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3079 | NDC31HJ-470X | C CAPACITOR | 47pF 50V J |
| C3080 | QBTC1CK-106Z | TA E CAPACITOR | 10uF 16V K |
| C3082 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C3086 | NCB31HK-152X | C CAPACITOR | 1500pF 50V K |
| C3088 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C3089 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C3090 | NDC31HJ-100X | C CAPACITOR | 10pF 50V J |
| C3099 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3100 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C3501 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3502 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C3503 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3504 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3506 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3507 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3508 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C3509 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3510 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3512 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3513 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z |
| C3514 | NDC31HJ-101X | C CAPACITOR | 100pF 50V J |
| C3515 | NDC31HJ-121X | C CAPACITOR | 120pF 50V J |
| C3516 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C3518 | NCF11CZ-475X | C CAPACITOR | 4.7uF 16V Z |
| C3519 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M |
| C3520 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M |
| C3521 | QENC1CM-336Z | BP E CAPACITOR | 33uF 16V M |
| C6001 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C6002 | QENC1HM-106Z | BP E CAPACITOR | 10uF 50V M |
| C6003 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6004 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6005 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C6006 | NCB31CK-273X | C CAPACITOR | 0.027uF 16V K |
| C6007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C6008 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C6009 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C6010 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R0705 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R0706 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1097 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1104 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1105 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1107 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R1110 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1111 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R1112 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1140 | NRSA63J-225X | MG RESISTOR | 2.2MΩ 1/16W J |
| R1141 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1142 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1143 | NRSA63J-105X | MG RESISTOR | 1MΩ 1/16W J |
| R1144 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1145 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R1146 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1147 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R1149 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1151 | NRSA63J-302X | MG RESISTOR | 3kΩ 1/16W J |
| R1152 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J |
| R1157 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1158 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1202 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1203 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1218 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R1219 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R1220 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1221 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1226 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1228 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1229 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1230 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1231 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1232 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1234 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R1236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R1240 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1261 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R1262 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R1265 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1266 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1267 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R1268 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R1269 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1272 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R1282 | QRE141J-221Y | C RESISTOR | 220Ω 1/4W J |
| R1283 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R1284 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1285 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R1286 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1287 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R1301 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1302 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1337 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R1347 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R1372 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1374 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1375 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R1378 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1382 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1384 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1385 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R1392 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1394 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J |
| R1395 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J |
| R1401 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1402 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1421 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R1422 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1423 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1501 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R1502 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R1505 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1511 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R1513 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R1514 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R1515 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1516 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1517 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1518 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1519 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R1520 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1521 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1522 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R1523 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R1524 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R1525 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1526 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1527 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1528 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1529 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1530 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1533 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1534 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1535 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1536 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1537 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1538 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1539 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1560 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1562 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1571 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1577 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1578 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1579 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1611 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R1612 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R1613 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1614 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R1615 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R1616 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R1641 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1642 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R1643 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R1649 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1651 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1652 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R1653 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R1658 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1659 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1665 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1666 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1667 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1668 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1669 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1670 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R1671 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J | |
| R1672 | QRJ146J-2R2X | UNF C RESISTOR | 2.2Ω 1/4W J | |
| R1673 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J | |
| R1674 | QRK126J-102X | UNF C RESISTOR | 1kΩ 1/2W J | |
| R1680 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R1681 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R1682 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R1691 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R1694 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R1695 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R1696 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R1697 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1701 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R1702 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1703 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R1712 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J | |
| R1713 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R1714 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R1715 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R1716 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1718 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J | |
| R1895 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1896 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1897 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1898 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R1899 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R1900 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R1942 | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D | |
| R1943 | NRSA63D-123X | MG RESISTOR | 12kΩ 1/16W D | |
| ⚠R1944 | QRK126J-220X | UNF C RESISTOR | 22Ω 1/2W J | |
| R1945 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1946 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1949 | NRSA63D-122X | MG RESISTOR | 1.2kΩ 1/16W D | |
| R1950 | NRSA63D-822X | MG RESISTOR | 8.2kΩ 1/16W D | |
| R1952 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R1953 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R1957 | NRSA63D-682X | MG RESISTOR | 6.8kΩ 1/16W D | |
| R1959 | NRSA63D-182X | MG RESISTOR | 1.8kΩ 1/16W D | |
| R1961 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1962 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R1963 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R1964 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R1965 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1966 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J | |
| R1967 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R1968 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1969 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1971 | QRT039J-R68 | MF RESISTOR | 0.68Ω 3W J | |
| R1975 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R1978 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| ⚠R1981 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J | |
| R1982 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R1983 | NRSA63D-222X | MG RESISTOR | 2.2kΩ 1/16W D | |
| R1984 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J | |
| R1985 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| ⚠R1986 | QRK126J-331X | UNF C RESISTOR | 330Ω 1/2W J | |
| R1991 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R1992 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R2102 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2103 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2104 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2105 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R2106 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R2122 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2123 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2125 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2126 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R2127 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R2144 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2145 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R2146 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J | |
| R2305 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2308 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2325 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R2328 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R3001 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R3002 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R3003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3004 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3005 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | |
| R3006 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R3007 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3009 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3010 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R3012 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R3013 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J | |
| R3014 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3015 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3016 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | |
| R3017 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R3018 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3020 | NRSA63D-102X | MG RESISTOR | 1kΩ 1/16W D | |
| R3021 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R3023 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J | |
| R3024 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R3025 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R3026 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R3027 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R3028 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R3029 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R3030 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R3039 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3040 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3042 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3045 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3047 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J | |
| R3048 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R3049 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J | |
| R3050 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R3051 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R3052 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R3053 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J | |
| R3054 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3055 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R3058 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3059 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3060 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R3065 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3066 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3502 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3503 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R3504 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | |
| R3505 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3507 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3508 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3509 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R3511 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3516 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J | |
| R3518 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3519 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R3520 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J | |
| R3521 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3523 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3525 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R3532 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3534 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3535 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R3536 | NRSA63J-181X | MG RESISTOR | 180Ω 1/16W J |
| R3537 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R3539 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R3541 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R3548 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R3549 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3550 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3551 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R3552 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3553 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3554 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R3555 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R6001 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6002 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6003 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6004 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R6006 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R6007 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R6008 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R6009 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| RA3001 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| RA3002 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| RA3003 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| RA3004 | NRZ0040-103X | NET RESISTOR | 10kΩ 1/16W J |
| L1211 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L1401 | QQL244K-100Z | PEAKING COIL | 10uH K |
| L1402 | QQL26AK-100Z | CHOKE COIL | 10uH K |
| L1941 | QQR1401-001 | CHOKE COIL | |
| L1942 | QQR1401-001 | CHOKE COIL | |
| L1943 | QQL26AK-330Z | CHOKE COIL | 33uH K |
| L1944 | QQL26AK-330Z | CHOKE COIL | 33uH K |
| L1945 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L1946 | QQL26AK-220Z | CHOKE COIL | 22uH K |
| L1947 | QQR1401-001 | CHOKE COIL | |
| L1948 | QQL26AK-100Z | CHOKE COIL | 10uH K |
| L1950 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1951 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1952 | QQL26AK-470Z | CHOKE COIL | 47uH K |
| L1983 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| L3001 | NQL092K-6R8X | COIL | 6.8uH K |
| L3002 | NQL092K-6R8X | COIL | 6.8uH K |
| L3003 | NQR0413-003X | FERRITE BEADS | |
| L3004 | NQR0413-003X | FERRITE BEADS | |
| L3007 | NRSA02J-0R0X | MG RESISTOR | 0Ω 1/10W J |
| L3501 | NQL092K-6R8X | COIL | 6.8uH K |
| L3502 | NQL092K-6R8X | COIL | 6.8uH K |
| L3503 | NQL092K-6R8X | COIL | 6.8uH K |
| CN1001 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN1002 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN1003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN100Q | WJP0053-004A | E-SH C WIRE C-B | |
| CN10AU | WJP0052-002A | E-SH C WIRE C-B | |
| CN10DC | QJB003-043014 | SIN ID C-B WIRE | |
| CN10SR | QJB003-052610 | SIN ID C-B WIRE | |
| H1661 | LC30145-003A | HEAT SINK/AL-F/ | |
| H1802 | CM42862-A0A | HEAT SINK ASSY | |
| J1091 | QNS0242-001 | 3.5 JACK | AV COMPULINK |
| J2101 | QNN0628-001 | PIN JACK | V/L IN |
| J2102 | QNN0629-001 | PIN JACK | R IN/L/R OUT/CENTER CH IN |
| J2111 | QND0121-001 | S JACK | S IN |
| J2121 | QNN0638-001 | PIN JACK | COMP-1/-2 IN |
| K1943 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| K1944 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| LC1301 | QQR1199-001 | EMI FILTER | |
| LC1302 | QQR1199-001 | EMI FILTER | |
| LC1303 | QQR1199-001 | EMI FILTER | |
| LC2301 | QQR1199-001 | EMI FILTER | |
| LC2302 | QQR1199-001 | EMI FILTER | |
| LC2303 | QQR1199-001 | EMI FILTER | |
| LC2321 | QQR1199-001 | EMI FILTER | |
| LC2322 | QQR1199-001 | EMI FILTER | |
| LC2323 | QQR1199-001 | EMI FILTER | |
| LC2341 | QQR1199-001 | EMI FILTER | |
| LC2342 | QQR1199-001 | EMI FILTER | |
| LC2343 | QQR1199-001 | EMI FILTER | |
| LC3001 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3002 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3003 | NQR0483-005X | EMI FILTER | |
| LC3004 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3005 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3006 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3007 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3008 | NQR0470-001X | EMI FILTER | 22pF 50V +50%-20% |
| LC3501 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3502 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| LC3503 | NQR0470-003X | EMI FILTER | 100pF 50V +50%-20% |
| SL1211 | CSB503F30-T2 | C RESONATOR | |
| ⚠TU1101 | QAU0352-001 | TUNER | |
| X3001 | NAX0570-001X | CRYSTAL | 27.000MHz |

## DEF / CONVERGENCE OUT P.W. BOARD ASS'Y (SRP-2002A-M2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

## R CRT SOCKET P.W. BOARD ASS'Y (SRP-3101A-M2)

REFER TO PARTS LIST IN PAGE 3-13 FOR THIS P.W. BOARD.

## G CRT SOCKET P.W. BOARD ASS'Y (SRP-3201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## B CRT SOCKET P.W. BOARD ASS'Y (SRP-3301A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## VM P.W. BOARD ASS'Y (SRP-7201A-M2)

REFER TO PARTS LIST IN PAGE 3-14 FOR THIS P.W. BOARD.

## REMOCON SENSOR P.W. BOARD ASS'Y (SRP-8001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## POWER P.W. BOARD ASS'Y (SRP-9001A-M2)

REFER TO PARTS LIST IN PAGE 3-15 FOR THIS P.W. BOARD.

## FRONT CONTROL P.W. BOARD ASS'Y (SRP0L001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

## DIGITAL INPUT MODULE P.W. BOARD ASS'Y (SRP-7802A-M2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| | SRP-7802A-M2 | DIGITAL INPUT MODULE PWB | |

## DIGITAL CONVERGENCE MODULE P.W. BOARD ASS'Y (SRP0K002A-M2)

REFER TO PARTS LIST IN PAGE 3-21 FOR THIS P.W. BOARD.

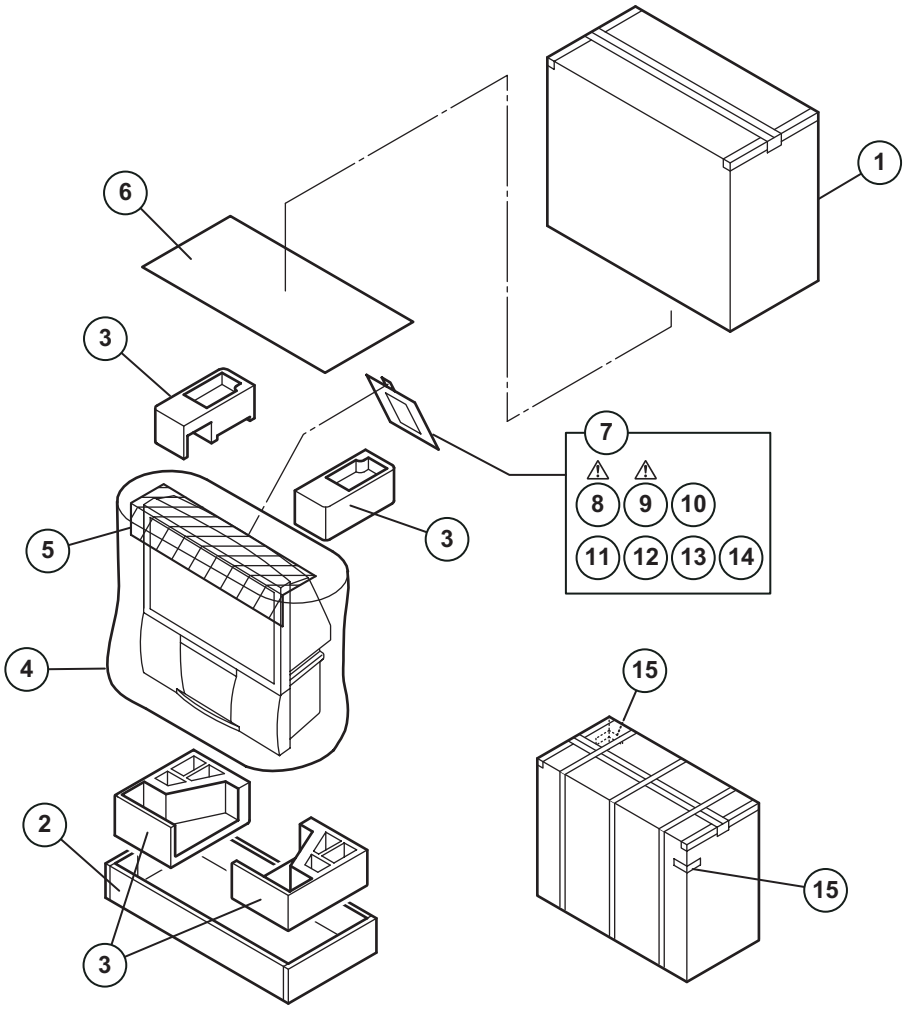
## MI-CON & DIST MODULE P.W. BOARD ASS'Y (SRP0D001A-M2)

REFER TO PARTS LIST IN PAGE 3-16 FOR THIS P.W. BOARD.

# REMOTE CONTROL UNIT PARTS LIST (RM-C1257G-1H)

| ⚠ | Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | | UR77EC0603 | BATTERY COVER | | |

# PACKING




# PACKING PARTS LIST

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | LC11253-004A-A | PACKING CASE (TOP) | | AV-48P575/H |
| | 1 | LC11253-005A-A | PACKING CASE (TOP) | | AV-56P575/H,AV-56P585/H |
| | 2 | LC31759-001C-A | PACKING CASE (BOTTOM) | | AV-48P575/H |
| | 2 | LC31759-002B-A | PACKING CASE (BOTTOM) | | AV-56P575/H,AV-56P585/H |
| | 3 | LC11790-002B-A | CUSHION ASSY | 4pcs in 1set | AV-48P575/H |
| | 3 | LC11811-002B-A | CUSHION ASSY | 4pcs in 1set | AV-56P575/H,AV-56P585/H |
| | 4 | CP30056-010-A | POLY BAG | | AV-48P575/H |
| | 4 | CP30056-011-A | POLY BAG | | AV-56P575/H,AV-56P585/H |
| | 5 | CP30055-007-A | TOP COVER | | |
| | 6 | GQ30053-001A-A | TOP SHEET | | AV-48P575/H |
| | 7 | QPA02503505 | POLY BAG | 25cm x 35cm | |
| ⚠ | 8 | LCT1609-001A-A | INST BOOK | English | |
| ⚠ | 9 | LCT1610-001A-A | INST BOOK | French | |
| | 10 | GQ40028-001A-A | INSERT SHEET | | |
| | 11 | BT-51034-1Q | REGIST. CARD | | |
| | 12 | BT-52006-2Q | WARRANTY CARD | | |
| | 13 | RM-C1257G-1H | REMOCON | | |
| | 14 | ---------- | BATTERY | R6P/AA | |
| | 15 | GQ30037-001A-A | CORNER LABEL | 2pcs in 1set | |